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PROCEEDINGS

OF THE

Agri-Horticultural Society of Madras.

VOL. IX (NEW SERIES.)

1896 97 98.

Madras:
HIGGINBOTHAM & CO.
1900.

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Proceedings of the Agri-Horticultural Society, Madras, for January, 1896, held on Monday the 3rd February, 1896 at 7-30, a.m.

PRESENT :

COL. G. M. J. MOORE, (*in the chair*).

E. B. POWELL, ESQ,
H. M. WINTERBOTHAM, ESQ.
J. L. WALKER, ESQ.
THE HON. J. STURROCK.
SURG.-MAJOR-GENL. SIBTHORPE

DR. A. G. BOURNE, *Honorary Secretary*.

The following contributions were made to the Garden Library :—

Kew Bulletin of Miscellaneous Information for December, 1895 and Appendix 1 of 1896.

Bulletin of the Botanical Department, Jamaica for November, 1895.

The Indian Forester for December, 1895.

The Agricultural Ledger—No. 14 of 1895—Tobacco cultivation, No. 16 of 1894—Embankments in Agriculture ; & No. 19 of 1895—oxen.

Report on the operations of the Department of Land Records and Agriculture, Madras Presidency for the year 1894-95.

Twelth Annual Report of the Department of Land Records and Agriculture, Bombay Presidency for the year 1894-95.

Crop Experiments, Bombay Presidency, 1884-95.

Journal of the Royal Horticultural Society for November, 1895.

Bulletin No. 4 of the Department of Land Records and Agriculture, N. W. P. and Oudh.

Report of the Secretary of Agriculture, Washington, 1895.

Annual Report of the Department of Agriculture, Brisbane, for the year 1894-95.

Verslag omtrent den staat van 'SLands Plantentuin te Buitenzorg, 1894.

Catalogue of seeds of the Botanic Gardens, Saigon, Cochin—China, 1896.

Boehmer & Co.'s, price list of Japanese plants, bulbs &c., 1895-96.

Vilmorin Andrieux & Co.'s General Wholesale Seed—list of Vegetables and flowers for 1895-96.

William Bull's Catalogue of Seeds—1895.

Sutton's Amateur's Guide in Horticulture for 1896.

The following contributions were made to the Gardens during the month :—

Two Hundred Cardamum roots from Mr. V. Morgan, Dindigul.

Seed of Phœnix rupicola from Mr. M. Ridley, Horticultural Gardens, Lucknow.

Seed of Wallichia disticha and Bentinckia nicobarica from the Royal Botanic Gardens, Calcutta.

Liberian Coffee seed from Mr. W. V. Hudleston, Vayitri.

Plants of Polymnea grandis and Verbesina gigantea from Mr. John Cameron, Superintendent, Lal Bagh, Bangalore.

Plants of Vitis quinquefolia and Vitis himalyensis from the Botanic Gardens, Saharanpur.

Received back our Wardian Case from the Royal Botanic Gardens, Ceylon containing the following plants.

2 Brexia Madagascariensis.
2 Styrax Benzoin.
2 Garcinia Cambogia (1 dead).
2 Hamiltonia suaveolens (dead).
2 Livistona rotundifolia.
2 Do. oliviforme.
2 Hedyscepe canterburyana.
2 Pinanga patula.
2 Oreodoxa oleracea.
2 Modecca palmata.
2 Clerodendron nutans.
2 Catha edulis.
2 Canarium commune.
2 Nephelium longana.
2 Caryota urens.
2 Chrysolidocarpus lutescens.
2 Phœnix zeylanica.
2 Loxicoccus rupicola.
2 Martinezia caryotæfolia.

Financial Statement.—For January, 1896.—Read and passed.

Judges for Flower Show.—Resolved that the gentlemen in the Honorary Secretary's list be invited to officiate as judges at the approaching Flower Show (29th February, 1896).

Auditors.—Resolved that Messrs. Shaw and Paul be invited to audit the accounts of the Society for 1895.

G. M. J. MOORE,

Chairman.

A. G. BOURNE,

Honorary Secretary.

Proceedings of the Agri-Horticultural Society of Madras, for the month of February 1896, held on Monday the 9th March, 1896.

PRESENT:

COLONEL G. M. J. MOORE, C.S.I. *in the Chair.*

THE HON. DR. D. DUNCAN. | H. M. WINTERBOTHAM, ESQ.,
W. H. OAKES, ESQ.,

DR. A. G. BOURNE, (*Honorary Secretary*).

The following contributions were made to the Library during the month :—

Tropical Agriculturist for February, 1896.

Indian Forester for January, 1896.

List of seeds collected at the Royal Botanic Gardens, Edinburgh, during 1895.

Report on the Arboricultural Operations, N. W. Provinces and Oudh, for the year ending 31st March, 1895.

Trinidad Botanic Garden's Bulletin of Miscellaneous Information for January, 1896.

Kew Bulletin of Miscellaneous Information for January, 1896.

Bulletin of the Dept. of Land Records and Agriculture, N. W. P. and Oudh. No. 3, Veterinary series on Breeds of cattle in Oudh.

Agricultural Statistics of the Lower Provinces of Bengal for 1894-95.

Annual Report of the Sibpur Experimental Farm for 1894-95; Annual Report of the Burdwan Experimental Farm for 1894-95; and Annual Report of the Damraon Experimental Farm for 1894-95.

Delectus Seminum quae Hortus Botanicus Imperialis Petropolitanus, for 1895.

Bulletin of the Botanical Department, Jamaica, for December, 1895.

Report on the Nagpur Experimental Farm for the year, 1894-95.

Proceedings of the Madras Government Nos. 11 and 11A, 11th January, 1896, about Quinine Powders.

Planting Opinion Vol. 1, No. 13, dated 29th February, 1896.

The following contributions were made to the Gardens :—

Seed of Malabar Black-wood from T. J. Ferguson, Esq., Calicut.

One plant of Adansonia digitata from W. M. Thorburn, Esq., Kurnool.

Seed of Livistona rotundifolia and L. oliviformis from the Botanic Gardens, Buiteuzorg, Java.

Seed of Sterculia fœtida from the Botanic Gardens, Peradeniya, Ceylon.

A box containing 48 Cola seed from the Botanic Gardens, British West Indies.

Seed of Atriplex halimoides, Lespedeza striata, Buckwheat, Acacia stenophylla, Albizzia stenophylla, Brachychiton populneus and Doryanthes Palmeri from Baron Ferd. Von Mueller, Government Botanist, Melbourne.

Flower Show.—The annual exhibition of flowers, plants fruits, vegetables and economic products was held at the Society's Gardens on the 29th February 1896. The arrangements, this year, were similar to those of former years in general outlines but the vegetables exhibited by both amateurs and market gardeners were placed on separate tables under their respective classes which much facilitated judging. The vendors of fruits, flowers and vegetables occupied the tents at the entrance of the garden. The list of awards with the judges' remarks are as follows :—

Class I.—Flowers in Pots, exclusive of Annuals.

Judges.—The Hon. J. F. Price, Mr. C. W. Conington, Mr. W. Keess, and Mr. A. E. Lawson.

1. Best general collection of not less than 20 varieties, one pot of each, Rs. 10—Mr. Gurusawmy Naidoo.

2. Best collection of Roses of not less than 12 varieties 1st Prize, Rs. 15—Mr. J. L. Spoor.

2nd Prize, Rs. 7—Mr. C. J. Hay Ellis.

3. Best Verbenas, not less than 12 kinds, Rs. 5—Mr. L. Govindass.

4. Best Carnations, Picotees, Pinks, and Dianthus, not less than 12 varieties, 1st Prize, Rs. 5—Mr. J. L. Spoor.

2nd Prize, Rs. 2—Government House.

5. Best collection of Climbers (Perennial), one pot of each, not less than 12 varieties, 1st Prize, Rs. 10—Mr. C. J. Hay Ellis.

2nd Prize, Rs. 5—Chepauk Park.

6. Best Geraniums and Pelargoniums, not less than 6 varieties, Rs. 5—Hon. Mr. Justice Shephard.

7. Best collection of Cannas, not less than 10 varieties, Rs. 5—Mr. L. Govindass.

8. Best collection of Begonias in flower, not less than 8 varieties, Rs. 5—Mr. C. Sowden.

9. Best collection of Perennial Phloxes, Rs. 3—No Prize awarded.

10 Best Chrysanthemums 1st Prize, Rs. 5—Mr. L. Govindass.

2nd Prize, Rs. 2—No Price awarded.

11. Best Violets Rs. 3—Mr. C J. Hay Ellis.

12. Best Heliotropes, Rs. 3—Mr. C. Sowden.

13. Best collection of Hibiscus Rs. 5—Mr. W. H. Oakes.

JUDGES' REMARKS.—No. 1. No remarks. No. 2. There were only two exhibitors, both of whom showed a large number of plants, the show of flowers was fully up to the average; it is to be regretted that there were not more entries. No. 3. The Verbenas were a good show and better than usual. The paucity of the number of exhibits is also to be regretted. No. 4. The display though good would have been more effective had greater care been exercised in selecting the best specimens, instead of massing together good, bad and indifferent plants. No. 5. No remarks. No. 6. The exhibit gaining the price is an excellent one and shows how these plants can be grown in Madras with a little care. Nos. 7 to 13. The competition was very small and the exhibits were generally very indifferent, the only one of any particular excellence being that of the Cannas to which the prize has been assigned; this was remarkably good. There were but two exhibitors of Chrysanthemums and we have not allotted a second prize as we considered the other exhibit very poor. In Perennial Phloxes there was only one exhibit, consisting of but 3 plants, and these were exceedingly bad.

Class II.—Annuals grown in Pots.

JUDGES.—Mr. C. Michie Smith and Mr. J. M. Gleeson.

1. Best collection of not less than 18 varieties, Rs. 10—Mr. Carl. T. Simon.

2. Best Double Balsams, not less than 10 pots, 1st Prize, Rs. 5—Mr. J. L. Spoor.

2nd Prize, Rs. 2—None.

3. Best Portulaccas, not less than 6 pots, Rs. 5 —H. E. Lady Wenlock.

4. Best Asters, not less than 12 pots, Rs. 5—Surgeon-General Sibthorpe.

5. Best Phloxes, not less than 12 pots, 1st Prize, Rs. 5—Mr. J. Campbell.

2nd Prize, Rs. 2—Mr. W. H. Oakes.

6. Best Climbers, not less than 8 varieties, Rs. 5—Surgeon-Major King.

7. Best Petunias, not less than 6 pots, 1st Prize, Rs. 5—Mr. C. Sowden.

2nd Prize, Rs. 2—H. E. Lady Wenlock.

8. Best Double Zinnias, not less than 6 colours, Rs. 5—Mr. R. B. Michell.

JUDGE'S REMARKS.—There was no exhibit in this class of any very special merit.

Class III.—Cut Flowers.

JUDGE.—Mr. J. L. Walker.

1. Best collection of choice Cut Flowers, 1st Prize, Rs. 5—H. E. Lady Wenlock.

2nd Prize, Rs. 3—T. Runga Row.

2. Best Hollyhocks, not less than 12 spikes, Rs. 3—Mrs. E. Williams.

3. Best Dahlias, not less than 6 varieties, Rs. 3—Kristnasawmy Chetty.

4. Best collection of Cut Roses, Rs. 3—H. E. Lady Wenlock.

JUDGE'S REMARKS.—In Class III a great improvement was noticeable in the exhibits of both Hollyhocks and Dahlias. Of the former there were 4 collections, two of them exceedingly good The prize was awarded to Mrs. E. Williams, Mr. E. Norton's exhibit being highly commended. There were only two collections of Roses, and one of these was very poor.

Class IV.—Ferns, &c.

JUDGES.—Nos 1 to 7—Dr. D. Duncan and Mr. A. Thanakoty Moodelliar. Nos. 8 to 15—Mr. H. C. West and Mr. Justice Shephard.

1. Best collection of Ferns, 1st Prize, a silver medal—Mr. C. J. Hay Ellis.

2nd Prize, Rs. 10—Prize not awarded.

2. Best grown Ferns, not less than 5 pots, Rs. 5—Mr. E. Norton.

3. Best Single Specimen Fern, Rs. 3—Mr. C. J. Hay Ellis.

4. Best Bulbous and Tuberous Plants, not less than 6 varieties in flower, Rs. 5—None awarded.

5. Best collection of fine Foliage Plants, not less than 20 varieties and not more than 2 pots of each, 1st Prize, Rs. 15—Jaghirdar of Arnee.

2nd Prize, Rs. 7—None awarded.

6. Best collection of Caladiums, only one plant of each variety to be exhibited, Rs. 7—None awarded.

7. Best collection of Alocasias, only 1 plant of each variety, Rs. 5—Varadan.

8. Best collection of Palms, Cycads, and other Palmaceous plants, not less than 10 varieties and not more than two specimens of each variety, Rs. 10—Mr. E. Norton.

9. Best collection of Crotons, not less than 15 varieties and not more than one specimen of each variety, 1st Prize, Rs. 10—Surg.-Genl. Sibthorpe.

2nd Prize, Rs. 5—Mr. W. H. Oakes.

10. Best collection of Dracænas, not less than 8 varieties and not more than two specimens of each variety 1st Prize, Rs. 10—H. H. the Maharajah of Vizianagram.

2nd Prize, Rs. 5—Jaghirdar of Arnee.

11. Best Single Shrub grown in Madras in a tub or pot, Rs. 5—C. Srinivasulu Naidu.

12. Best Aralias and Panax, not more than two specimens of each variety, Rs. 5—H. H. Maharajah of Vizianagram.

13. Best collection of Lycopodium and Selaginella, Rs. 5—Mr. C. Sowden.

14. Best collection of Anthuriums, not more than two specimens of each variety, Rs. 5—H. H. the Maharajah of Vizianagram.

15. Best collection of Coleus, not more than two specimens of each variety, Rs. 5—Mr. C. J. Hay Ellis.

Judges' Remarks.—Nos. 1 to 7. On the whole, the show in this class is very poor, although Nos, 4 and 5 exhibited. In our opinion they did not deserve any prize. The collection of Alocasias and Bulbous plants was very poor. Nos. 8 to 15. The exhibit of Palms and Cycads contained too many specimens of the same variety, and the plants are arranged too thickly to admit of the inspection of individual specimens The same observation applies to the Dracænas and Panax, the specimens of which might be better grown. The collection of

Anthuriums is far above the average. Both exhibits of Coleus includes some of the new varieties and are almost equal in merit.

Class V—Rare Plants.

JUDGES.—Mr J. L. Walker, and Mr. J. M. Gleeson.

Best collection of any plants not previously exhibited, grown in the Madras Presidency or Mysore, Rs. 15—No prize awarded.

JUDGES' REMARKS.—There were only two exhibits of *Monstera deliciosa* and one of two plants of *Nelumbium lutescens*. No prize was awarded but the latter was highly commended.

Class VI.—Vegetables grown in Madras by Amateurs.

JUDGES.—Nos. 1 to 12. Surgeon-Major A. J. Sturmer and Mr. W. D. St. Leger.

Nos. 13 to 24. Surgeon-Major Van Geyzel and Surgeon-Captain Gifford.

1. Best Celery, not less than 5 stalks, Rs. 3—S. Baboo Row.
2. Best Beetroot, not less than 6 roots, Rs. 2—Revd. Arden.
3. Best Turnips, not less than 6 roots, Rs. 2—Mr. C. Ethirajulu Naidu.
4. Best Carrots, not less than 6 roots, Rs. 2—Government Farm, Saidapet.
5. Best Onions, not less than 12 bulbs, Rs. 2—St. Patrick's Orphanage, Adyar.
6. Best Cucumbers, not less than 6, Rs. 2—H. E. Lord Wenlock.
7. Best Vegetable Marrows, not less than 6, Rs. 2—Mr. C. Ethirajulu Naidu
8. Best Yams, not less than 6, Rs. 2—H. E. Lord Wenlock.
9. Best Tomatoes, not less than 12, Rs. 2—Dr. A. G. Bourne.
10. Best Asparagus, Rs. 2—None awarded.
11. Best collection of Salad Plants, Rs. 4—Mr. C. Ethirajulu Naidu.
12. Best Peas, 2—Mr. C. Ethirajulu Naidu.
13. Best Brussels Sprouts, Rs. 2—None awarded.
14. Best Arrowroot, Rs. 2—Mr. E. A. S. Nicholas.
15. Best Tapioca, Rs. 2—Mr. E. A. S. Nicholas.
16. Best Lettuces, Rs. 2—H. E. Lord Wenlock.
17. Best Knol-khol, 6 specimens, Rs. 2—S. Baboo Row.

18. Best Jerusalem Artichokes, Rs. 2—H. E. Lord Wenlock.

19. Best Chillies, Rs. 2—Mr. H. Irwin,

20. Best collection of Indian Vegetables, Rs. 3—S. Baboo Row.

21. Best collection of English Vegetables, Rs. 3—H. E. Lord Wenlock.

22. Best Radishes, Rs. 2—Mr. C. Ethirajulu Naidu,

23. Best Chillies and Capsicums grown in pots, Rs. 2—Surgeon-General Sibthorpe.

24. Best Sweet Herbs, grown in pots, Rs. 3—Mr. C. Sowden.

JUDGES' REMARKS.—Nos. 1 to 12. The exhibits on the whole were from fair to good with the exception of Asparagus ; only two exhibits of this vegetable were shown and neither was worthy of being awarded a prize.

Nos. 13 to 24 : Only one exhibit of Brussels Sprouts which was poor. Arrowroot and Tapioca, both by the same exhibitor are very good samples. Lettuces were fair but almost equally good. The collection of Indian vegetables to which the prize was awarded was excellent in variety as well as in quality. There were 2 exhibits only of Capsicums and Chillies, grown in pots, both of which were good.

Class VII.—Vegetables (grown anywhere).
Open only to Market Gardeners.

JUDGES.—Nos. 1 to 10. Hon'ble J. Sturrock and Surg-Lieut. Col. A. M. Branfoot. Nos. 11 to 20. Mr. P. Elialwar Naidoo and Mr. K. Naraina Row.

1. Celery, 6 stalks, 1st Prize, Rs. 4—Paul Moonoosawmy.
   2nd Prize, Rs. 2—Parthasarathy Naidoo.
2. Knol-khol, 6 specimens, 1st Prize, Rs. 3—Paul Moonoosawmy.
   2nd Prize, Rs. 2—M. Veeraraghava Pillay.
3. Beetroot, 6 roots, 1st Prize, Rs. 3—Abboye Naidoo.
   2nd Prize, Rs. 2—Parthasarathy Naidoo.
4. Carrots, 6 roots, 1st Prize, Rs. 3—Parthasarathy Naidoo.
   2nd Prize, Rs. 2—Paul Moonoosawmy.
5. Turnips, 6 roots, 1st Prize Rs. 3—Parthasarathy Naidoo.
   2nd Prize, Rs. 2—Paul Moonoosawmy.
6. Onions, 24 bulbs, 1st Prize, Rs. 3—Parthasarathy Naidoo.
   2nd Prize, Rs. 2—Raju Pillay.

7. Cabbages, 6 heads, 1st Prize, Rs. 4—T. Lutchmana Pillay.
   2nd Prize, Rs. 2—Parthasarathy Naidoo.
8. Vegetable Marrows, 1st Prize, Rs. 3—K. Moonoosawmy
   2nd Prize, Rs. 2—K. Nainiappa Naik.
9. Cucumbers, 1st Prize, Rs: 3—Parthasarathy Naidoo.
   2nd Prize, Rs. 2—Paul Moonoosawmy.
10. French Beans, 1st Prize, Rs. 2—V. Thumboosawmy.
    2nd Prize, Re. 1—R. Govindoo.
11. Kidney Beans, 1st Prize, Rs. 2—K. Murugasan.
    2nd Prize, Re. 1—Narainasawmy Naik.
12. Tomatoes, 1st Prize Rs. 3—Perumal.
    2nd Prize, Rs. 2—Ramanjum.
13. Chillies, 1st Prize, Rs. 3—Kundasawmy.
    2nd Prize, Rs. 2—Abboy.
14. Brinjals, 1st Prize, Rs. 3—
    2nd Prize, Rs. 2— } None deserving of any prize.
15. Bandikai, 1st Prize, Rs. 3—
    2nd Prize, Rs. 2— } None worthy of any prize.
16. Potatoes, (*a*) large, Prize, Rs. 3—Paul Moonoosawmy.
    Potatoes, (*b*) small, Prize, Rs. 3—Sabapathy Moodelly.
17. Peas, 1st Prize, Rs. 3—K. Murugasen.
    2nd Prize, Rs. 2—Ramasawmy Naidu.
18. Best collection of Salad Plants, Prize, Rs. 2.—T. Venkatasawmy.
19. Lettuces, 1st Prize, Rs. 2—M. Ruddrappa and Sons.
    2nd Prize, Re. 1—Thumboosawmy.
20. Cauliflowers, 1st Prize, Rs. 3—Paul Moonoosawmy.
    2nd Prize, Rs. 2—Ramaswamy Naidu.

JUDGES' REMARKS.—Nos. 1 to 10. The exhibits were numerous and quality generally good. The prize exhibits in Onions and Cabbages were exceptionally good. Vegetable Marrows were generally of poor varieties. Cucumbers were small. Nos. 11 to 20. There was a poor collection of vegetables in this class. The Brinjals and Bandikais exhibited were not such as to deserve any prize.

Class VIII.—Fruits. Open to All.

JUDGES.—The Hon'ble Mr. Justice Davies, Mr. F. Rowlandson and Mr. E. B. Powell.

1. Best Strawberries, Rs. 10—Ramanan.
2. Best Raspberries, Rs. 3—Paul Moonoosawmy.
3. Best Peaches, Rs. 9—Ramanan.
4. Best Apples, Rs. 8—Munialappa.
5. Best Pears, Rs. 5—None shown.
6. Best Sweet Oranges, Rs. 3—Chinnavada Naidoo.
7. Best Pumplemoses, Rs. 2—Rungasawmy Moodelly.
8. Best Figs, 12 specimens, Rs. 5—Ramanan.
9. Best Grapes, 3 bunches, Rs. 5—Chinnavada Naidoo.
10. Best Sapodillas, 24 specimens, Rs. 3—Sundi Pillay.
11. Best Melons, 6 specimens, Rs. 3—Fakir Ahmed.
12. Best Plantains, Rs. 3—Muthery Naicker.
13. Best Lemons, 12 specimens, Rs. 5—Rungasawmy Moodelly.
14. Best Limes, Rs. 3—Chinnavada Naidoo.
15. Best Guavas, Rs. 3—Ramanan.
16. Best Citrons, Rs. 3—Rungasawmy Naidoo.
17. Best collection of Dried Fruits, Rs. 5—T. Moonoosawmy Naidoo and Murugasam Naicker.

JUDGES' REMARKS.—The competitors for Strawberries were only two, but the fruit shown was good as to size and colour, but with the usual absense of flavour. The peaches to which the prize is awarded were very good both as to size and flavour. The show of apples was good and besides the collection to which the prize was awarded, exhibitor No. 3 had a variety which he called Bombay which was very good. An excellent show of oranges of two kinds. Pumplemoses poor, wanting in sweetness. No fruit shown approached the standard of that obtaining in other parts of India. The show of figs was bad. The collection of melons which took the prize was exceptionally good. The show of plantains was poor, only two kinds being exhibited. The exhibits under the heading of dried fruits were only two, but embraced a variety of articles such as English-made jams, etc.! It is suggested that a clearer definition of what is wanted might be given.

Class IX.—Flowers and Vegetables.

Open only to Soldiers, Non-Commissioned and Warrant Officers, the Police and Jail Department in Madras.

JUDGES.—Messrs. A. A. Hall, and J. M. Gleeson

1. Best collection of Flowers in pots, 1st Prize, Rs. 10—A. Division City Police (Mr. H. M. Upshon).

2nd Prize, Rs. 5—E. Division, City Police (Mr. R. C. Mason)

2. Best collection of Vegetables, 1st Prize, Rs. 10—A. Division City Police (Mr. H. M. Upshon).

2nd Prize, Rs. 5—E. Division, City Police (Mr. R. C. Mason).

No remarks.

EXTRA PRIZE LIST.

JUDGES.—Messrs. W. S. Shaw, E. Thurston, and Assistant-Surgeon Hollingsworth.

The Government having placed at the disposal of the Society a sum of Rs. 500, they have much pleasure in offering the following prizes, open to the produce of the Madras Presidency, Hyderabad, Mysore, Coorg, Travancore and Cochin.—

1. A gold medal for the best sample, and a silver medal for the second best sample of Tea of good quality, that is largely sold by retail within the prescribed area, and is so moderately priced as to be suited for general consumption.—Eight competitors. Gold medal to Glendale Tea Estate. Silver medal to Kodanad Tea Estate.

N.B.—The samples exhibited shall be not less than 30lbs. in weight, and competitors must sign and forward a declaration that they are the growers and preparers of the same, and that they have been grown since the last exhibition, and form part of a "break" of at least 1,000lbs. The Exhibits will be sent for valuation to a Tea Broker in Calcutta, and the prize awarded by the Judges in accordance with the Broker's Report.

2.—Best sample of silk of not less than 1lb. in weight, Rs. 15.—Nine exhibitors. A. Krishna Saw.

3.—Best sample of Tasar or other wild silk of not less than 1lb, in weight, Rs. 15—Three exhibitors. D. Kotee Saw.

4.—A silver medal for the best General Collection of Produce usually exported from Madras. Each article to have its name and use given.—E Venkatakistnama Chetty and Sons.

5.—A Prize of Rs. 10 for the best collection of Green Forage.—Two exhibitors.—Government Farm, Saidapet.

6.—Best collection of Forest Products, *e. g.*, gums, oleo-resins, wax, &c., Rs. 10.—Two exhibits. Neither considered worthy of a prize.

7.—Best collection of Fibre Plants and cleaned Fibres, Rs. 15—Two exhibitors. C. T. Moonesawmy Moodelly.

8.—Best collection of Economic Plants such as timber and other useful trees, Rs. 15—No exhibit.

9.—Best collection of Medicinal Plants, Rs. 10—Two exhibitors. C. T. Moonesawmy Moodelly.

10.—Best collection of Dyes, Tanning Materials and Mordants, Rs. 10—Two exhibitors. N. Veeraragava Rajoo.

The most conspicuous feature, among the exhibits competing for the extra prizes was the collection of produce exported from Madras by E. Venkatakistnama Chetty & Sons, which was representative and well arranged. The collection also, of fibres, and plants from which they are produced, exhibited by C. T. Moonesawmy Moodelly, was distinctly good. The other exhibits call for no special mention. Specimens of Mica and Cocoa plant grown in Triplicane, were exhibited by Syed Badshah Sahib.

Tea Brokers Report :—

MESSRS. JARDINE SKINNER & CO.,

CALCUTTA, 10*th February*, 1896.

Dear Sirs,

We beg to hand you our report and valuations on the following samples of Tea from Agri-Horticultural Society, Madras.

Your obedient servants,

P. J. THOMAS & CO.,

R. G. BATES, *Broker.*

Marks & Nos.	Ex. Valuation per lb.		Description.
	s.	*d.*	
1	*1	6	Good tippy Pekoe leaf, full brisk liquor.
2	*0	11	Dusty bold Pekoe kind leaf, fair tip, brisk liquor, fair flavour.
3	1	4	Small stylish Pekoe leaf, rather good tip, brisk liquor, fair flavour.
4	0	11	Pekoe and Broken Pekoe mixed, fair tip, thin, little softish.
5	0	4	Bold Congou kind, thin, common liquor.
6	0	4½	Dark Souchong kind leaf, thin, common liquor.
11	0	5	Dull Pekoe Souchong kind leaf, thin poor liquor.
12	0	6	Dull greyish Pekoe kind leaf, few ends, thin flat liquor.

Nos. 1—4 are stylish, well made tippy Teas and the liquors have a fair amount of quality and the infused leaf is even and bright in colour. Nos. 5 and 6, 11 and 12, are very poor—the dry leaf is dull and grey in colour and the liquors are thin, dull, undesirable. The infused leaf, is very nearly black in colour.

*1 and 2 Glendale Tea Estate, 3 Kodanaad Estate, 4 Woodcote Estate, and 5, 6, 11 and 12 Love Hill Estate.

Silk Report :—

CALCUTTA, 13*th February*, 1896.

MESSRS. JARDINE SKINNER & Co.,

DEAR SIRS,

We have examined the samples of Silk sent us and should place them in the following order :—

B 1. A hank of fine white silk of very good quality, fine and even size.

A 2. A hank of green silk of good quality fine size, and of good lustre.

A 1. Very simalar to A 1, but not quite so lustrous.

H 1. The same class of silk as the preceeding but not so clean.

C 3. Three skeins of white silk, clean, good silk.

E 1. A hank of white silk, of course size fairly even in thread, and clean.

C 4. } Two skeins green silk good quality fairly clean coarse
J 1. } size.

F 2. A skein of green silk, not very clean in the thread, but of fairly good quality.

D 1. A hank of brown silk of a class something between Tussah and Mooga, apparently re-reeled.

B 5. A skein of yellowish brown silk, apparently Tussah. Medium quality, fairly well reeled

B 3. A hank of Mooga silk, very lustrous.

B 4. do do not so even in size.

B 2. do of Mooga or Tussah silk, fineish in size, but uneven and rather flimsy.

F 1. A hank of common Mooga silk.

C 2. A hank of coloured, twisted spun silk.

G 1, K 1, C 1 } Colored spun silk, all much the same, with preference, if any in the order in which placed.

F 3. Colored spun silk rather inferior to the above

The samples are returned herewith.

Yours faithfully,
HODGSON & TAYLOR.

The special thanks of the Society and the public are due to those gentlemen who by the largeness of their exhibits contributed so much to the success of the show.

The Society are also much indebted to H. E. the Governor for the services of his band, who played at the Gardens, until 1 p.m., and for his tents, tables, carpets, &c., the Commissioner of Police; the President Municipal Commission; the Commissioner of U. C. S. Examination; Messrs. Deschamps & Co.; the Principal Agricultural College, Saidapet; the Secretary Military Female Orphan Asylum and other gentlemen for the use of their tables, benches, chairs and other necessaries.

Plants from Calcutta Horticultural Society.—A Wardian case containing the undermentioned plants was received from Mr. P. Lancaster, Secretary, Agri-Horticultural Society of India:—

1	Aristolochia ciliosa.	1	Aristolochia ridicula.
1	,, caudata.	1	,, labiata.
1	,, gigas.	6	Phaius Wallichii.
1	,, ornithocephala.		

Plants presented to the Gardens by Rao Bahadoor A. Dhanakoty Moodellyar.

150	Cannas.	14	Eucharis lilies.
230	Crotons.	100	Caladium roots.
140	Alocasias.	5	Crinums.
166	Ferns.	6	Poinsettia pulcherrima.
1	Birdsnest Fern.	4	Panax.
5	Anthuriums.	6	Ananassa sativa.
20	Pancratiums.	4	,, striata variegata
1	Zinziber striata variegata.	9	Opuntias & Euphorbias.

Acknowledged with thanks.

Agave rigida.—Read letter from Mr. T. J. Ferguson, dated Calicut, 24th February, 1896, acknowledging with thanks the receipt of 27 plants of Agava rigida var Sisalana.

Recorded.

Annual Meeting.—Resolved that the Annual General Meeting of the Members of the Society be held on Saturday the 28th March 1896.

Financial Stament for February, 1896. Read and passed.

G. M. J. MOORE,
Chairman.

A. G. BOURNE,
Hony. Secretary.

Proceedings of the Agri-Horticultural Society of Madras, for March, 1896.

(*Circulated.*)

The following contributions were made to the Library :—

Kew Bulletin of Miscellaneous Information for January and February, 1896.

Bulletin of the Botanical Department, Jamaica, for January 1896 and Appendix No. 1 of 1896.

Proceedings and Journal of the Agri-Horticultural Society of India, Calcutta, for October to December, 1895.

Annual Report on the Botanic Gardens and Forest Department, Singapore for the year 1895.

Revue Agricole et Journal de la chambre D'Agriculture de L'Ile Maurice, No 3 Mars, 1896.

Bulletin van het Koloniaal Museum te Haarlem Maart, 1896.

Index collectorum Seminum in Hortis Musei Parisiensis, Anno 1895.

Memoirs of the Geological Survey of India, Vol. XXVII, part 1.

Records of the Geological Survey of India, Vol. XXIX part 1, 1896.

A list of the Agricultural Implements and Machines which have been tested in India, during the year ended 30th September, 1895.

Proceedings of the Madras Government, No. 79, dated 15th February, 1896, about sale of Government Quinine.

The Agriculture Ledger :—1895 No. 11 on Agricultural Improvements ; No. 15—Locusts ; No. 23. Dairy farming and Dairy produce.

The Indian Forester for February and March, 1896.

Experiment Station Record of the U. S. Department of Agriculture, Washington, Vol. VII No. 5.

Catalogue of books in the Library of the Mysore Government, Botanic Gardens, Bangalore, 1896.

" Planting Opinion" for March, 14th and 28th, 1896.
Tropical Agriculturist for March, 1896.

The following contributions were made to the Gardens :—

Twenty eight packets of tree and shrub seeds from the African Coast from Mr. Rhodes Morgan, Deputy Conservator of Forests, Ootacamund.

Cardamum roots (200) from Mr. Edward Morgan, Dindigul.

Seed of Hevea braziliensis and separated halves of Kola (Cola acuminata) from the Director, Botanic Gardens, Buitenzorg, Java.

Twelve pounds of Castor oil seeds, (large variety), from Mr. J. H. Stephen, Nagpur.

Three seeds of a Palm (name not known) from Proff Cornu, Paris.

Deal-wood garden labels (642) from Rao Bahadur A. Thanakoty Moodellyar, Nungumbakam.

Victoria regia seed (22) from Government House, Guindy.

Seed of Asparagus plumosus and Cryptostegia grandiflora from Mr T. J. Ferguson, Calicut.

A plant of Coroupita guineensis from Mr. D. A. Ince, Vepery.

President and Patron.—Read the following letter from Mr. A. Stuart, Private Secretary to His Excellency Sir Arthur Havelock, dated Government House, Madras, 30th March, 1896 :—

"I am desired to inform you in reply to your letter No. 35 of the 24th instant, that H. E. The Governor has much pleasure in accepting the office of President and Patron of the Agri-Horticultural Society of Madras.

"I beg to acknowledge the receipt of the rules and Pamphlets forwarded with your letter, they have been placed before His Excellency."

Recorded.

Committee Member.—Read letter from Mr. M. Hammick, dated Egmore, the 2nd April, 1896, stating that he will be glad to serve on the Committee.

Chairman.—Proposed by Mr. Thurston, and seconded by Surgeon-General Sibthorpe, that Colonel Moore, be elected as Chairman of the Committee.

A. G. BOURNE,
Hony. Secretary.

Financial Statement for January to March, 1896.

RECEIPTS.	Amount.	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs. Binny & Co., on 31st December 1895 ...	2,128 8 6		Pay of Establishment from Jany. to March 1896...	1,002 5 3	
Cash in hand for transmission to the Bank on 31st Dec. 1895.	160 5 0		Do. Coolies ...	200 7 6	
Do. Petty cash do ...	16 2 5		Seed purchased ...	34 14 9	
		2,304 15 11	Plants do. ...	117 10 10	
By sale of seeds during January to March 1896.	195 0 6		Flowers do. ...	20 2 0	
Do. plants do ...	372 11 0		Books and periodicals ...	84 8 1	
Do. sundries do ...	253 9 6		Pots and potting materials ...	203 10 0	
Do. admission ticket at Flower Show do ...	860 2 0		Red Hills water supply ...	107 5 10	
By subscription from Members ...	546 0 0		Printing and advertising charges ...	25 15 0	
By loan of plants do ...	143 8 0		Postage on letters, proceedings, &c.	21 1 9	
By Goverment monthly grants do ...	750 0 0		100 wooden labels for nursery plants	20 8 0	
			Petty expenses, such as rail charges, repairs, basket, packing, cooly hire, &c. ...	244 11 0	2,103 4 0
			Flower Show—Valuation of Tea & Silk ...	56 0 0	
			Prizes awarded and medals ...	677 12 0	
			Conveyance of tables, &c., other expenses ...	308 1 3	
			Refreshment for judges & liquor	120 1 10	
			Printing and advertising ...	111 8 0	1,273 7 1
			Balance with Messrs. Binny & Co., on 31st March 1896 ...	1,999 4 9	
			Cash in hand for transmission to Bank on 31st March 1896 ...	31 12 0	
			Do. Petty cash do ...	18 3 1	
		3,120 15 0			2,049 3 10
Total Rupees ...	.....	5,425 14 11	Total Rupees ...	.....	5,425 14 11

A. G. BOURNE, *Honorary Secretary.*

Proceedings of the Annual General Meeting of the Agri-Horticultural Society of Madras, held on Saturday, the 28th March, 1896.

PRESENT:

COLONEL G. M. J. MOORE, C.I.E.

RAI BAHADOOR A. THANAKOTY MOODELLYAR.
THE HON. MR. J. STURROCK.
SURG.-MAJOR-GEN. SIBTHORPE.
J. L. WALKER, ESQ.
THE HON. DR. D. DUNCAN, M.A.

DR. A. G. BOURNE, *Honorary Secretary.*

It was proposed by Dr. Duncan, seconded by Mr. Sturrock, and carried unanimously that Colonel Moore, do take the chair.

The Honorary Secretary at the request of the Chairman then read the following report :—

Monthly Rain Report of Madras.

MONTH.	DAYS ON WHICH RAIN FELL.	INCHES. CENTS.
January	*Nil.*	*Nil.*
February	,, ..	,,
March	,, ...	,,
April	,, ...	,,
May	13, 14 & 15 ...	0—94
June	16, 19, 24—26 & 30 ...	0—90
July	4—8, 11—16, 18, 22, 23 & 31 ...	5—43
August	4—5, 7—8, 11—15, 17, 19, 21, 25, 29, & 31	4—36
September	13, 16, 20—22, 25, 29 & 30 ...	4—41
October	1, 2, 8, 11—18, 21—31 ...	11—61
November	1—4, 11—13, 18—27 ...	14—67
December	2, 5, 8, 9, 15, 16 & 29—31 ...	5—05
	Total No. of Rainy days 75...	47—73

Water Supply.—The Red Hills water supplied to the Gardens during the year amounted to

	gals.		gals.
January	214,800	July	287,900
February	275,700	August	399,400
March	208,400	September	279,000
April	171,600	October	182,200
May	252,800	November	267,800
June	414,200	December	259,900

Shewing a total of 3,213,700 gallons at a cost of Rs. 357-0-10. In 1894, 2,270,200 gallons were used at a cost of Rs. 252-3-10.

Government Grant.—The monthly allowance of Rs. 250, the extra grant of Rs. 500, and the special grant of Rs. 500, for Flower Show have been received. A Budget Estimate for 1896-97, was submitted on the 11th September, 1895, and the amount of Rs. 4,000, was sanctioned by the Government (*vide* G.O. No. 737, Financial, dated 25th September, 1895). The Committee desires to record its thanks to the Government for their liberal assistance.

Income and Expenditure.—The income of the Society in 1895, from all sources amounted to Rs. 11,318-1-9 and the expenditure Rs. 10,750-1-8 as compared with Rs. 10,546-7-8 and Rs. 10,670-12-6 in 1894. Details will be found in the statements attached to this report.

Flower Show.—The Annual Flower Show was held on the 23rd February and the attendance was larger than on any previous occasions, the receipt at the gate amounting to

Rs. 923-14-0. The following table shews the receipt from the sale of admission tickets in the last 12 years.

	1st Class. 7 a.m. to 12 noon.	2nd Class. 12 noon to 4 p.m.	3rd Class. 4 p.m. to 6 p.m.	TOTAL. Rs. A. P.
1883	427 0 0	148 8 0	91 10 0	667 2 0
1884	375 0 0	174 12 0	106 14 0	656 10 0
1885	328 0 0	144 0 0	85 12 0	557 12 0
1886	425 0 0	162 0 0	107 2 0	694 2 0
1887	349 0 0	175 2 0	116 15 0	641 1 0
1888	347 0 0	181 4 0	117 8 3	645 12 3
1889	404 0 0	202 0 0	108 6 0	714 6 0
1890	434 0 0	217 0 0	114 4 0	765 4 0
1891	369 0 0	214 8 0	121 0 0	704 8 0
1892	No Flower Show.			
1893	392 0 0	188 12 0	90 0 0	670 12 0
1894	453 0 0	252 4 0	133 10 0	838 14 0
1895	505 0 0	263 8 0	155 6 0	923 14 0

Ægle Marmelos.—At the request of the Board of Revenue several samples of dried bark, timber, fruit, fruit pulp, gum, ornamental snuff box made of dried fruit, fruit rind, carved cup made of timber, and botanical specimens of the edible and wild variety were forwarded with as much as possible of the information asked for.

Dried specimens and capsules and seeds of Abroma augusta were also forwarded.

Gardeners.—During the year 12 gardeners were engaged for the gardens in the neighbourhood.

Agency.—Enquiries were made during 1895 for various rare and economic plants. The undermentioned were procured and supplied.

Valan Paddy.
Coffea bengalensis.
Cyphomandra betacea.
Large variety of Castor (Ricinus communis.)
Cedrela toona
Coroupita guineensis.
Eucalyptus seed several varieties.
Liberian coffee seed.
Cloves (Caryophyllus aromaticus).
Nutmeg (Myristica moschata).
Cocao (Theobroma cocao).
Reana luxurians.
Nepaul Pepper.
Kola (Cola acuminata).
Tea seed.
Coffea stenophylla.

Exchange of Publications.—Copies of our Proceedings were as usual sent to the Government of India, Kew, and the principal Botanic Gardens at home, in India, and the Colonies, to each of our correspondents and to all members of the Society.

Seeds and Plants distributed to Botanic Gardens and elsewhere.

Coffea stenophylla...	plants 25
Kola (Cola acuminata)	seeds 125
Dendrocalamus strictus seed	21 packets.
Tree Tomatoe seed	7 „
Eucalyptus seed	33 „
Erythroxylon Coca seed	8 oz.
Victoria Regia seed	46 seeds and 6 plants.
Swietenia macrophylla seed	18 packets
Tree and shrub seeds	796 „
Plants sent in Wardian cases to Port Blair, Calcutta, Nagpur and Ceylon	110 plants.

Seeds, Plants, &c., given to Members gratis.

Kola (Cola acuminata) plants...	25 plants.
Palms	201 „
Achimenes of different varieties	456 pots
Bamboos	95 plants.
Climbers	180 „
Fruit trees	67 „
Eucharis lily bulbs...	55 „
Crotons of different varieties	176 „
Other plants	1180 „
Vegetable seeds	1409 packets.
Pea seed	65 lb.
Flower seed	1992 packets.
Cut flowers	62 baskets.

Plants, Seeds, &c., sold.

Plants.

Casuarina seedlings	plants 2000
Crotons	„ 281
Coroupita guineensis	„ 12
Palms	„ 165
Mango grafts	„ 74

Cloves, Nutmegs, Cocoa, Figs, Grafted Guaves, Grafted Apples, Loquat, Jack, Coffee, Sapota, Oranges, Plantains, Bilimbi, Pepper Plants, and Golden Cocoanut plants	,,	85
Other plants...	,,	2626

Seeds.

Inga seed	349 lb. 4 oz.
Albizzia moluccana	20 lb. 6 oz.
Hurrialee grass seed	20 lb. 14 oz.
Guinea grass...	5 lb. 8 oz.
Rain tree seed	1 lb. 3 oz.
Henna seed	5 lb. 0
Casuarina seed	17 lb. 5 oz.
Lucerne seed...	34 lb. 13 oz.
Grevillea robusta	14 lb. 14 oz.
Victoria regia seed	10 seeds.
Divi-Divi seed	13 oz.
Eucalyptus, Castor, Reana, Nepal pepper, Sapodilla, Acacia, Crotolaria juncea, Cedrela Toona, Jonesia, Teak, Cassia florida, Liberian and Arabian coffee, and other tree and shrub seeds ...	76 packets.
English and country vegetable seeds.	1495 ,,
Flower seeds...	1504 ,,

Sundries.

Wreaths, bouquets, crosses, and baskets of flowers	508
Pots	900
Plants lent for decoration ...	1200
Realised by sale of mangoes, oranges, firewood, &c., Rs. 33-8-0	

Library.—The following books and periodicals have been added to the Library during 1895 :—

I. Supplied Gratuitously.

Kew Bulletin of Miscellaneous Information for 1895.

Field and Garden Crops of N. W. Province and Oudh part III. with illustrations—1893.

Manual of South Canara in 2 vols., 1895.

Select Extra Tropical Plants by Baron Fred Von. Mueller, K.C.M.G., 9th edition, 1895, from the Editor.

Handbook of the Flora of Ceylon by Dr. Henry Trimen 3rd part, 1895, from the Editor.

Manual of North Arcot, Revised Edition in 2 vols., 1895.

Tropical Agriculturist for 1895, from the Editor.

Indian Forester for 1895.

Records of the Botanical Survey of India Vol. I. Nos. 3, 5, 6.

Bulletin of the Brisbane Gardens for 1895.

Bulletin of the Botanical Department, Jamaica for 1895.

,, ,, Trinidad for 1895.

Indian Museum notes No. 4 of Vol. III. Tea Blights.

Records of the Geological Survey of India, Vol. 28.

Memoirs of the Geological Survey of India, Sec. 13—Part 2 of Vol. 2 and Sec. 15—Part 2 of Vol. 2.

Experiment Station Record of the U. S. Department Washington, and several Parts of Vol. VII.

II. Acquired by Purchase.

Hooker's Icones Plantarum Part 3 & 4 of Vol. IV and Part 1 of Vol. V.

Botanical Magazine for 1895.

Gardeners' Chronicle for 1895.

Indian Agriculturist for 1895.

Indian Vegetable Garden by W. Gollan, 1892.

Acknowledgments.—The Committee have great pleasure in recording their thanks to Rev. M. G. Richter, Mr. T. J. Ferguson, Mr. G. M. Woodrow, Mrs. H. Munro, Mr. W. Gollan, The Hon. Justice Mr. Shephard, Mr. J. S. Edgar, Mr. H. B. Winterbotham, Mr. W. Nock, Mr. Medley Wood, The Hon. Mr. A. T. Arundel and Mr. Edgar Thurston for communications made to the Society during the year.

Plants Added to the Garden.—The undermentioned is a list of the Plants added to the Gardens, during 1895 :—

Brexia madagascariensis from the Royal Botanic Gardens, Peradeniya, Ceylon.

Sabal palmetto	do.	do.
Tarakthogenos Blumei	do.	do.

Oreodoxa oleracea	from the Royal Botanic Gardens, Peradeniya, Ceylon.	
Didymosperma disticha	do.	do.
Oncosperma fasciculata	do.	do.
Livistona chinensis	do.	do.
Dypsis madagascariensis	do.	do.
Livistona oliviformis	do.	do.
Elæis guineensis	do.	do.
Livistona australis	do.	do.
Phœnicophorum sechallarum	do.	do.
Meliosma simplicifolia	do.	do.
Gymnosporia emarginata	do.	do.
Dracæna Draco,	Botanic Gardens, Adelaide	
Sterculia acerifolia	do.	
,, heterophylla	do.	
Cardamum	... Messrs. Spencer & Co., Madras.	
Toxicophlæa spectabilis	... Mr. H. Thorn, Durbungah.	
Swainsonia galigifolia	... Mr. W. R. Guilfoyle, Melbourne.	
Kola Sterculia	... Botanic Gardens Grenada.	
Pritchardia pacifica	... do.	
Nelumbium luteum	... Botanical Department, Jamaica.	
Passiflora Jenmannii	... Botanic Gardens, British Guiana.	
Araucaria Bidwilli	... do.	Rockhampton.
Bentinckia nicobarica	... do.	Calcutta.
Tree Tomatoe	... Mr. Charles Gray, Coonoor.	
Sterculia alternifolia	... The Director, Botanic Gardens, Graff Reinett	
Cedrela Toona	... Mr. Joshi, Nagpur.	
Tectona grandis	... Messrs. Burnett & Sons.	
Birds-nest Ferns	... P. Lancaster Esq., Secretary, Agri-[Horticultural Society, Calcutta.	

Committee Members.—During the year Mr. W. Hamilton-Holmes, Colonels H. W. H. Cox and Fane-Sewell resigned their seats on the Committee and their places were filled up by Dr. A. G. Bourne and Mr. E. B. Powell.

Chairman.—Colonel G. M. J. Moore continued to hold the Office of Chairman throughout the year.

Honorary Secretary.—Colonel H. W. H. Cox resigned the Office of Honorary Secretary as he was leaving Madras for England. Col. Cox became a Member of the Society in 1883, Chairman of the Society in February 1892 and Honorary Secretary in March 1892. In recognition of his valuable services he was elected an Extraordinary Member of the Society in November, 1895. Dr. A. G. Bourne, was elected Honorary Secretary *Vice* Colonel Cox.

Ex: Officio Member.—Mr. H. M. Winterbotham was elected an Ex : officio Member of the Committee, in June 1895 in the place of the late Mr. H. F. Clogstoun.

Subscribing Members.—During the year, 16 Members joined the Society and 17 Members resigned, 3 were absent, 3 died and 1 was struck off as a defaulter. The total number of Members at the end of 1894 was 86, (58-A Class and 28-B Class) and at the end of 1895, 78, (55-A Class and 23-B Class.)

Obituary.—The Committee received with regret the news of the death of Dr. H. F. Cleghorn who joined the Society in 1850, and was for a few years its Honorary Secretary and Committee Member and before leaving India was made an Extraordinary Member.

Exchange of Seeds and Plants.—During the year seeds and plants were forwarded to the undermentioned Gardens and correspondents :—

Allahabad	...	J. Phillips, Esq., Supt., Government Gardens.
Adelaide	...	Maurice Holtze, Esq., F.L.S., Director, Botanic Gardens.
Bangalore	...	John Cameron Esq., F.L.S., Superintendent, Mysore, Government Gardens.
Baroda	...	J. M. Henry, Esq.
Bobbili	...	H. H. The Rajah of Bobbili, Kt. C.S.I.
Berlin	...	The Director, Royal Botanic Gardens.
Brisbane	...	Philip MacMahon, Esq., Curator, Botanic Gardens.

Calcutta	...	The Hony: Secretary, Practical Institution of Horticulture, &c., Cossipore.
Do.	...	P. Lancaster, Esq., Secretary, Agri-Horticultural Society of India.
Do.	...	Dr. G. King, M.B., &., Superintendent, Royal Botanic Gardens.
Coonoor	...	Charles Gray, Esq.
California	...	E. W. Hilgard, Esq., Director, Agricultural Experiment station, Berkeley.
Calicut	...	T. J. Ferguson, Esq.
Coorg	...	Rev. G. Richter, Mercara.
Do.	...	William Wright, Esq., Mercara.
Colombo	...	The Superintendent, School of Agriculture.
Durbungah	...	H. Thorn, Esq., Supt., Maharaja's Gardens.
Ellore	...	Mr. Dasu Sriramulu Pantulu Garoo.
Egypt	...	Maurice Wolfe, Esq., Mansourah.
Gwalior	...	C. Maries, Esq., Superintendent, State Gardens.
Grenada	...	W. E. Broadway, Esq., Curator, Botanic Gardens.
George Town	...	G. S. Jenman, Esq., Director, Botanic Gardens, British Guiana.
Hobart Town	...	F. Abbot, Esq., Supt., Botanic Gardens.
Jamaica	...	William Fawcet, Esq., Supdt.,Public Gardens.
Java	...	The Director, Botanic Gardens, Buitenzorg.
Karachi	...	W. Strachan, Esq., Supdt.,Municipal Gardens.
Kew	...	W. T. Thiselton Dyer, Esq., F.L.S., &c., Director, Royal Gardens.
Kattywar	...	J. Beck, Esq., Supdt., State Gardens, Morvi.
Lahore	...	H. G. Hein, Esq., Supdt., Govt. Gardens.
Lucknow	...	M. Ridley, Esq., Supdt.,Horticultural Gardens.
Madras	..	W. Hamilton Holmes, Esq.
Do.	...	Rao Bahadoor A. Thanakoty Moodellyar.
Do.	...	W. Keess, Esq., Saidapet.
Melbourne	...	Baron Ferd. Von. Mueller, K.C.M.G., &c., Govt. Botanist.
Mysore	...	L. E. Kerwan, Esq., Santaweri, Birur.
Natal	...	J. Medley Wood, Esq., Curator, Botanic Gardens, Durban.
Nagpur	...	J. H. Stephen, Esq., Supdt., Govt. Gardens.
Do.	...	Thomas Ward, Esq., late Superintendent.
Naples	...	Messrs. Damman & Co.

Nepaul	...	The Resident, Katmandoo.
Oodeypore	...	T. H. Storey, Esq., Supdt., State Gardens.
Ootacamund	..	The Director, Government Botanic Gardens.
Poona	...	G. M. Woodrow, Esq., College of Science.
Do.	...	A. R. Lester, Esq., Supdt., Empress Botanic Gardens.
Pondicherry	...	The Curator, Public Gardens.
Paris	...	Prof. Maxime Cornu, Director, Museum and Gardens.
Peradeniya	...	The Director, Royal Botanic Gardens.
Pamplemouses	...	William Scott, Esq., Director. Botanic Gardens.
Port Blair	...	H. Man, Esq., Andaman Islands.
Peermaad	...	Mrs. Munro.
Rockhampton	...	J. S. Edgar, Esq., Supdt., Botanic Gardens.
Ramnaad	...	Rajah Sethupati of Ramnaad.
Saigon	...	Dr. Regnier, Director, Botanic Gardens.
Sydney	...	Charles Moore, Esq., F. L. S. Director, Botanic Gardens.
Saharanpur	...	W. Gollan, Esq., Supdt., Government Botanic Gardens.
St. Petersburg	...	The Director, Imperial Botanic Gardens.
Trinidad	...	J. H. Hart, Esq., Supdt., Royal Botanic Gardens.
Trichinopoly	...	H. J. A. Porter, Esq., District Forest Officer.
Do.	...	Mr. A. P. Thandavaroya Pillay, Mirasdar of Iyempalayam.
Tanjore	...	J. Johnston, Esq., Executive Engineer.
Trevandrum	...	F. J. Ingleby, Esq., Public Gardens.
Wynaad	...	George Romilly, Esq., Meppadi.
Washington	...	The Director, Department of Agriculture, Experimental Station.
Wellington	...	Sir James Hector, F.L.S., Director, Colonial Botanic Gardens.
Vizagapatam	...	Sri Rajah Sahib, G. N. Gajputhee Row, C.S.I.
Yercaud	...	W. E. Gilbert, Esq.
Do.	...	The Secretary, Planters' Association.
Zanzibar	...	Dr. A. H. Spurrier.

Seeds and Plants received during the year from :—

Adelaide	...	H. Holtze, Esq., F.L.S, Director, Botanic Gardens.
British Guiana	...	George S. Jenman, Esq., Superintendent, Botanic Gardens, George Town.
Bangalore	...	John Cameron, Esq., Supt., Lal-Bagh.
Calcutta	...	Dr. George King, Supt., Govt. Botanic Gardens.
Do.	...	P. Lancaster Esq., Agri-Horticultural Society of India.
Do.	...	Cossipore Horticultural Society.
Coorg	...	Rev. G. Richter, Mercara.
Colombo	...	The Superintendent, School of Agriculture.
Coonoor	...	Thomas Stanes, Esq.
Do.	...	Charles Gray, Esq.
Durbungah	...	H. Thorne, Esq., Supt., Maharaja's Gardens.
Egypt	...	Maurice Wolfe, Esq., Mansourah.
Grenada	...	W. E. Broadway, Esq., Curator, BotanicGardens.
Java	...	The Director, Botanic Gardens, Buitenzorg.
Jamaica	...	W. Fawcett, Esq., Supt., Public Gardens.
Kew	...	W. T. Thiselton Dyer, Esq., F.L.S., &c., Director, Royal Gardens.
Katmandoo	...	Mrs. Wylie, the Residency, Nepaul.
Madras	...	G. Michie Smith, Esq., Nungumbakum.
,,	...	The Government House, Guindy.
,,	...	Mrs. Emery, Teynampett.
,,	...	Dr. H. P. Stutz, Vepery.
,,	...	Mr. C. J. Hay-Ellis, Superintendent, People's Park, Egmore.
,,	...	Messrs. Spencer & Co., Mount Road.
,,	...	W. Hamilton Holmes, Esq., Madras Club.
,,	...	A. W. D. Oakes, Esq., Chetput.
,,	...	E. Barclay, Esq., Adyar.
Melbourne	...	W. R. Guilfoyle, Esq., Director, Botanic Gardens.
Do.	...	Baron Ferd. Von. Mueller, Govt. Botanist.
Nagpur	...	J. H. Stephen, Esq., Superintendent, Horticultural Gardens.
Do.	...	R. S. Joshi, Esq., Govt. Model Farm.
Naples	...	Messrs. Damman and Co.
Natal	...	J. Medley Wood, Esq., Botanic Gardens, Durban.
Poona	...	G. M. Woodrow, Esq., College of Science.

Peermaad	...	Mr. Munro.
Port Blair	...	H. Man, Esq., C.I.E.
Peradeniya	...	Dr. Henry Trimen, Director, Royal Gardens.
Rockhampton	...	J. S. Edgar, Esq., Supdt., Botanic Gardens.
Saigon	...	The Director, Botanic Gardens.
Trichinopoly	...	H. J. A. Porter, Esq., District Forest Officer.
Yercaud	...	W. E. Gilbert, Esq., Yercaud.

Audit.—The Honorary Secretary also read the following letter —

MADRAS, 27*th March*, 1896.

DR. A. G. BOURNE,

Honorary Secretary,

The Agri-Horticultural Society,

Madras.

DEAR SIR,

We have the pleasure to return herewith the Society's Books which have been left with us for Audit.

We have examined the Expense Book, Cash Book and Ledger, and compared the entries with those shown in the Classification of Receipts and Expenditure, and we find the latter quite correct, and that it corresponds with the entries in your Banking account with Messrs. Binny & Co.

The Financial Statement for 1895, appears to us to be all in order.

The arrears due for Seeds and Plants, and for Subscriptions are correctly shown, but in our opinion those outstanding in 1894, (Rs. 90-1-0) should now be written off.

We are Dear Sir,

Yours faithfully,

D. E. W. LEIGHTON.
A. G. NORTON-KNIGHT.

Proposed by Mr. J. L. Walker, seconded by Rao Bahadoor A. Thanakoty Moodellyar and carried unanimously that the Report be adopted and published.

The following gentlemen were elected as Members of the Committee for the coming year:—

Benson, Hon. Mr. Justice. R. S.
Bourne, Dr. A. G.
Branson, Reddy, Esq.
Duncan, Hon. Dr. D.
Hammick, M., Esq.
Leighton, D. E. W., Esq.
Moore, Colonel, G. J. M.
Oakes, W. H., Esq.
Sturrock, Hon. Mr. J.
Sibthorpe, Surg.-Major-General.
Thanakoty Moodellyar Rao Bahadoor, A.
Thurston, Edgar, Esq.
Walker, J. L. Esq.

Winterbotham, H. M. (Ex-officio Member).

Proposed by Colonel G. M. J. Moore, seconded by Surgeon-Major-General Sibthorpe, and carried unanimously, that Dr. A. G. Bourne be invited to continue to discharge the duties of Honorary Secretary.

Proposed by Colonel G. M. J. Moore, seconded by Mr. Rao Bahadoor Thanakoty Moodellyar and carried unanimously, that a vote of thanks be accorded to Messrs D. E. W. Leighton and A. G. Norton-Knight for kindly auditing the accounts for 1895.

Proposed by Hon. Mr. J. Sturrock, seconded by Colonel G. M. J. Moore, and carried unanimously, that a vote of thanks be accorded to Colonel H. W. H. Cox, and Dr. A. G. Bourne, for their services as Honorary Secretary, during 1895.

Proposed by Hon. Dr. D. Duncan, seconded by Mr. Rao Bahadoor Thanakoty Moodellyar, and carried unanimously, that a vote of thanks be accorded to the chairman, Colonel G. M. J. Moore, for his conduct in the chair.

FINANCIAL STATEMENT FOR 1895

Receipts.

	Rs.	A.	P.	Rs.	A.	P.
Balance with Messrs. Binny & Co., on 31st December, 1894	1,496	6	3			
Balance in hand as per receipt book Do.	209	12	6			
Do. expense acct. Do.	30	13	1			
				1,736	15	10
By sale of Seeds	1,673	2	3			
„ Plants	1,730	12	6			
„ Admission Tickets at Flower Show ...	926	14	0			
By Loan of Plants	166	2	0			
By sale of Sundries	1,058	3	0			
By Subscription from Members ...	1,744	0	0			
„ in advance ...	19	0	0			
Government Monthly Grant ...	3,000	0	0			
„ Extra Grant	1,000	0	0			
				11,318	1	9
Total Rupees...				13,055	1	7

Expenditure.

	Rs.	A.	P.	Rs.	A.	P.
Expenses as per statement annexed				10,750	1	8
Balance with Messrs. Binny & Co., on 31st December, 1895	2,128	8	6			
Balance in hand as per receipt book Do.	160	5	0			
Do. expense acct. Do.	16	2	5			
				2,304	15	11
Total Rupees...				13,055	1	7

The Agri-Horticultural Society,
Madras,
1*st February*, 1896.

D. E. W. LEIGHTON.
A. G. NORTON-KNIGHT.

PARTICULARS OF EXPENDITURE DURING 1895.

	Rs.	A.	P.	Rs.	A.	P.
Fixed Establishment				4,010	2	0
Coolies				874	10	6
Petty expenses, recoverable				638	12	10
„ unrecoverable				88	4	3

			Rs.	A.	P.	Rs.	A.	P.
Seeds, English			1,289	5	2			
„ Country			412	12	11	1,702	2	1
Plants						398	15	4
Flowers						98	9	0
Manure and other potting materials						111	4	0
Pots						174	8	0
Garden requisites						161	14	0
Red Hills water supply ...						291	12	10
Municipal, House, water and lighting, tax						91	8	0
Quit-rent for cocoanut tope ...						4	10	6
Garden seats from Oakes and Co.						156	0	0
Newspapers and periodicals ...						113	14	0
Books purchased and binding charges						33	15	0
Printing and Advertising ...						195	7	0
Postage on letters, proceedings and sample packets						118	1	9
Rain-gauge stand and foundation						51	3	3
Repairs to Conservatories ...						104	1	6
New gate						32	1	6
Flower Show { Prizes and medals and engraving charge ...			694	11	0			
Refreshment to Judges, police & bandsmen, &c.			129	9	4			
Printing and advertising charges			122	14	0			
Valuation of tea and silk			67	8	0			
General expenses ...			283	10	0			
						1,298	4	4
					Total Rupees...	10,750	1	8

The Agri-Horticultural Society,
Madras,
3rd February, 1896.

MEMBERS OF THE SOCIETY ON 31st DECEMBER, 1895.

President.

The Right Hon'ble Lord Wenlock, G.C.S.I., &c.

Honorary Members.

Bernays, L. A., Esq.
Ferrier, General J. P.
Hooker, Sir J. D., K.C.S.I., C.B., &c.

Extraordinary Members.

Benson, Lieut.-General R.
Bidie, Surgeon-General G., C.S.I.
Cox, Colonel H. W. H.
Duff, Sir M. E. Grant, G.C.S.I.
Lawson, Sir Charles A.
Steavenson, Joseph, Esq.
Thanakoty, Mudr., Rai Bahadur, A.
Vizianagaram, H. H. The Maharajah of, K.C.I.E.
Whiteside, W. S., Esq.

Subscribing Members (A Class).

Arundel, The Hon. Mr. A. T.
Branson, The Hon. Mr. J. H., Spring.
Bobbili, H. H. The Rajah of C.S.I.
Bishop, The Right Revd. Lord, of Madras.
Branson, Reddy, Esq.
Beck, J., Esq.
Barclay, E., Esq.
Best, The Hon. Mr. Justice, J. W.
Buckley, S. L., Esq.
Branfoot, Surgeon Captain A. M.
Bateman, Surgeon Colonel D. F.
Collins, The Hon. Chief Justice Sir Arthur, C.S.I.
Cox. Colonel H. W. H.
Duncan, The Hon. Dr. D., M.A.
Deane, G. W., Esq.
Elialvar, Naidoo P., Esq.
Emery, W. F., Esq.
Fiddian, J. P., Esq., M.A.
Ferguson, T. J., Esq.
Gajputhee, Row, Rajah Sahib, Sir G. M., C.S.I.
Gill, F. M. G., Esq.
Gooboor Estate, Manager of
Grose, The Hon. Mr. J., M.A.
Graham, Major Edward.
Holmes, W. Hamilton, Esq.
Hammick, M., Esq.
Keess, W., Esq.
Lugard, Brigadier-General E.
Moore, Colonel G. J. M., C.I.E.
Mahamud, Sheriff Khan Bahadur, Hon'ble.
Muddukrishna, Yachandra Bahadur Rajah V.
Norton, Eardley, Esq.
Napier, A. S., Esq.
Oakes, A. W. D., Esq.
Oakes, W. H., Esq.
Powell, E. B., Esq.
Ramnaad, Rajah Sethupathi of
Romilly, George, Esq.
Robertson, Surgeon-Captain R.
Smith, C. Michie, Esq.
Stanes, Thomas, Esq.
Sturrock, Hon'ble Mr. J.
Striramulu, Pantulu, Dasu, Esq.
Sim, H. A., Esq.
Sowden, C., Esq.
Thorburn, W. M., Esq.
Taylor, W., Esq.
Thandavaroya, Pillay, A. P., Esq.
Travancore, H. H. The Maharajah of G.C.S.I.
Thurston, Edgar, Esq.
Venugoty, Venugopala Krishna, Yachandra Bahadur.
Wenlock, H. E., Lord, G.C.S.I.
Walker, J. L., Esq.
Zemindar of Parlakemedy.
Zemindar of Ettayapuram.

(B Class).

Bourne, Dr. A. G.
Bliss, Hon'ble Mr. H. W., C.I.E.
Chentsal Row, P., Esq.
Cheragh, Ali Azam Jah, Esq.
Feast, Revd. R. B.
Formby, Captain R. F. R.
Krishnamurti, Iyengar, T., Esq.
Kerwan, L. E., Esq.
Leighton, D. E. W., Esq.
Lawson, A. E., Esq.
Mahamud, Mirza Ismail Khan Bahadur.
Mahamud, Sufther Hussain Sahib.
Macphail, Revd. E. M.
Narain Row, K., Esq.
Sandoor, H. H. The Rajah of
Shaw, W. S., Esq.
St. Leger, W. D., Esq.
Venkasawmy Row, Dewan Bahadur T
VanGeyzel, Surgeon-Major.
Vasudeva Row, R. H., Esq.
Wright, W., Esq.
West, H. C., Esq.

Proceedings of the Agri-Horticultural Society of Madras, for April, 1896.

(*Circulated.*)

The following contributions were made to the Library :—

Statistical Atlas of India, 1895.

Tropical Agriculturist for March and April, 1896, from the Editors, Colombo.

Planting Opinion, Vol. 1 No. 16, Dated April 11th, No. 17 dated 25th April, 1896, from the Editor, Coonoor.

The Madras Journal of Literature and Science for the sessions 1889-94.

Annual Report on Government Gardens and Parks in Mysore for the year 1894-95, from Mr. J. Cameron, Superintendent, Lal Bagh, Bangalore.

Bulletin of the Botanical Department, Jamaica, for February 1896, from the Gardens.

The Indian Forester for March, 1896, from the Editor, Dehra-Dun.

Proceedings of the Madras Government, Nos. 143, 143A, reviewing the Forest Administration Report of the Madras Residency for 1894-95.

The Journal of the Royal Horticultural Society Vol. XIX. part 3, March, 1896, from the Society, Calcutta.

Report on Natal Botanic Gardens for the year 1895, and Colonial Herbarium Report for 1895, from the Gardens, Durban.

The following contributions were made to the Gardens :—

Victoria regia seeds from Mr. T. H. Storey, Superintendent, Sajjan Niwas Gardens, Oodeypore.

Seed of Alloplectus cristatus from the Botanic Gardens, Grenada.

A packet of seed of Mimusops Kaukii from Mr. J. H. Stephen, Nagpur.

Tree Seeds.—During the month the undermentioned seeds were collected in the Gardens for distribution to Botanic Gardens :—

Adenanthera pavonina
Solanum Seaforthianum
Cassia glauca
Cleome spinosa
Bauhinia sp.
„ acuminata
„ tomentosa
Manihot Glaziovii
Canna indica
Lantana indica
Thunbergia grandiflora
Peltophorum ferrugineum
Pithecolobium Saman
Ægle marmelos
Abroma augusta
Tanghinia venenifera
Hibiscus collinus
Pterocarpus marsupium
Stereospermum suaveolens
Bignonia megapotamica
Acacia Sundra
Cæsalpinia Sappan
Bixa orellana
Bignonia suberosa
Dracæna circulosa-maculata
Ficus racemosa
Barleria lupulina

A. G. BOURNE,

Honorary Secretary.

Proceedings of the Committee of the Agri-Horticultural Society of Madras, for May and June, 1896, held on the 3rd August, 1896, at 7-30 a.m.

PRESENT:

THE HON. DR. D. DUNCAN, *(in the chair.)*

THE HON. MR. JUSTICE R. S. BENSON.

J. L. WALKER, ESQ.

DR. A. G. BOURNE, *(Hony. Secretary.)*

MAY, 1896.

The following contributions were made to the Library:—

Daily Meteorological Means of the Madras Observatory by C. Michie Smith, 1896, from the Author, Madras.

Annual Report of the Royal Botanic Gardens, Trinidad, for 1895, from the Gardens.

Indian Forester for April, 1896, from the Editor, Dehra-Dun.

Revue Agricole et journal de la chambre D'Agriculture de L'le, Maurice, Avril, 1896.

Report on the Botanic Gardens, British Guiana and their work for the year, 1894-95, from the Gardens.

Bulletin of the Botanical Department, Jamaica, for March, 1896, from the Gardens.

Annual Administration Report of the Forest Department, Madras Presidency, for 1894-95, from Government Revenue Department., Madras.

Experiment Station Record of the U. S. Department of Agriculture, Washington No. 12 of vol. VI, from the Gardens.

"Acta Horti Petropolitani" part 1, vol. XIV., 1895, from the Imperial Gardens, St. Petersburgh.

Bulletin of the University of California, Agricultural Experiment Station, Berkeley, for November 1895 and February, 1896.

The Agricultural Ledger for 1895, No. 23, Dairy Farming and ... Produce, No. 11, Agricultural Improvements, No. 15, Locust ... er, from the Department of Land Records and Agriculture, Calcutta.

The following contributions were made to the Gardens :—

Ten pounds of seed of Swietenia macrophylla and two pounds of seed of Sterculia alata from the Superintendent, Royal Botanic Gardens, Calcutta.

The undermentioned seeds from Sir Ferd. Von. Mueller, K. C. M. G, &c., Government Botanist, Melbourne.

Cytisus proliferus.	Licuala Muelleri.
Vicia villosa.	New Perennial Cabbage.
Davana dependens.	Perennial Tall Cabbage.

A packet of seed of Aristolochia gigas var Strutvantii from the Director, Botanic Gardens, Trinidad.

A few seeds of Schizolobium excelsum from Mr. W. Nock, Acting Director, Royal Botanic Gardens, Peradeniya, Ceylon.

Seed for "Mombasa."—Read letter from Messrs. Smith Mackenzie, & Co., dated Mombasa the 21st April 1896, asking for seed of Albizzia moluccana for experiment as a Coffee shade tree at Kikuyu, Central Africa.

A pound of the seed, free of charge, was forwarded by sample post on the 16th instant.

Recorded.

"Tagasaste."—Read letter from Mr. E. C. Duff, Manager of "Planting Opinion," Coonoor, dated 10th January, requesting a small supply of the seed of Cytisus proliferus or "Tagasaste" for experiments on the Hills and for distribution to Planters who have enquired for it.

A small quantity of the seed was procured from Sir Ferd. Von Mueller, Government Botanist, Melbourne, and forwarded to Mr. Duff on the 5th instant, free of charge.

Recorded.

Tree Seeds.—The undermentioned is a list of seeds collected at the Gardens, for distribution to Botanic Gardens, Members, &c.

Calophyllum inophyllum.
Tecoma stans.
Plumeria grandiflora (?)
Givotia rottleriformis.
Ficus religiosa.
Spilanthes oleracea.
Cassia nodosa.
Wrightia mollissima.
„ antidysenterica.
Thunbergia fragrans.
„ grandiflora.
Cassia glauca.
Clitoria ternatea.
„ plumeri.
Anogeissus acuminata.
Cassia fistula.
„ marginata.
Cryptostegia grandiflora.
Parkia biglandulosa.
Thespesia populnea.
Corypha umbraculifera.
Pterospermum suberifolium
Meyenia erecta
Sabal Adansonii
Sterculia fœtida
Cassia auriculata
Parkinsonia aculeata
Spathodea campanulata
Terminalia arjuna
Adansonia digitata
Erythrina indica
Cupania canescens
Elæis guineensis
Lawsonia alba
Myroxylon toluiferum
Walsura piscidia
Pterocarpus santalinus
Cassia florida
Lagerstræmia flos-reginæ
Caryota urens
Phœnix sylvestris
Oreodoxa regia
Vitex sp.
Tobacco
Verbenaceæ (name unknown)
Azadirachta indica
Gmelina arborea
„ asiatica
Kigelia pinnata
Colvillea racemosa
Spathodea adenophylla
Guiaicum officinale
Albizzia Lebbek
Casuarina muricata
Bassia longifolia

June, 1896.

The following contributions were made to the Library :—

Records of the Geological Survey of India, part 2 of vol. xxix, 1896, from the Geological Survey Office, Calcutta.

Memoirs of the Geological Survey of India, Palæontologia Indica, ser. xvi. vol. 1, part 1, 1895, from the Government Revenue Department, Madras.

Report on the operations of the Department of Land Records and Agriculture, N. W. P. and Oudh, for the year ending 30th September, 1895.

Bulletin of the Royal Botanic Gardens, Trinidad No. 6 for April 1896, from the Gardens.

Bulletin of the Botanic Gardens, Jamaica, for April, 1896, from the Gardens.

Tropical Agriculturist for May, 1896, No. 11, of vol. xv, from the Editors, Colombo.

Proceedings and Journal, of the Agri-Horticultural Society of India, for January to March, 1896, from the Society, Calcutta.

Planting Opinion, for 9th and 23rd May and June 6th, 1896, from the Editor, Coonoor.

Administration Reports of the Royal Botanic Gardens, Ceylon, for 1895, from the Director, of the Gardens, Peradeniya.

Bulletin No. 2, of the Department of Land Records and Agriculture, Bengal.

Agricultural Bulletin of the Malay Peninsula No. 5, May 1896.

Revue Agricole et Journal de la chambre D'Agriculture de L'Ile Maurice, Mai 1896.

Proceedings of the Madras Government No. 188, and 188A, 9th May 1896, ordering the introduction of the scheme for the separation of the Cinchona and Botanical Department at Ootacamund.

Sutton's Amateurs' Guide in Horticulture for 1896, and The Culture of English Vegetables and Flowers in Tropical and Subtropical countries.

The following Memoranda from the Department of Land Records and Agriculture :—

(Statistical Bureau of the Government of India.)

Bengal Presidency :—

Linseed crop in Berar, 28th February, 1896 ; memorandum on the cotton crop of the season, 1895-96, 27th February, 1896 ; wheat crop in Berar, 28th February, 1896 ; Rice crop in Bengal, Lower Burma and Madras for 1895-96, 24th February, 1896 ; Cotton crop in the Central Indian States, 21st March, 1896 ; Mustard crop, in Assam, 18th March, 1896 ; Oilseeds crop of the season, 1895-96 ; 14th March, 1896, Wheat crop of the season 1895-96, 7th March, 1896 ; Cotton crop for the season 1895-96, under Malwa agency 1895-96, 30th April, 1896 ; Sesamum crop for the season 1895-96, 30th April, 1896 ; a revised forecast of the rice crop in Burma, 9th April, 1896 ; Wheat crop in Berar, 23rd May, 1896 ; Linseed crop in Berar 23rd May, 1896 ; Winter Oil seeds crop of 1895-96, 10th June, 1896 ; and Wheat crop of the season 1895-96, 9th June, 1896.

Late cotton crop in Bengal for 1895-96, 5th February, 1896; Wheat crop of Bengal, 1895-95, 5th February, 1896; Oil seed crops of Bengal 1895-96, 11th February, 1896; Wheat crop of 1895-96, in Bengal and Bihar, 7th May, 1896; and Rabi crop in Bengal for 1895-96, 7th April, 1896.

North Western Provinces and Oudh :—

Rape and Linseed crops for 1895-96, 24th February, 1896; Wheat crop for 1895-96, 24th February, 1896; Linseed and Rape seed crops for 1895-96, 13th May, 1896; and Wheat crop for 1895-96, 13th May, 1896.

Central Provinces :—

Linseed crop, 28th February, 1896; Wheat crop, 28th February, 1896; Linseed crop 13th May, 1896; and Wheat crop, 13th May, 1896.

Bombay Presidency :—

Wheat crop for 1895-96, 4th March, 1896; Wheat crop for 1895-96, 23rd May, 1896; and Cotton crop for 1895-96, 15th February, 1896.

Punjab :—

Rape-seed crop for 1895-96, 26th February, 1896; and Wheat crop for 1895-96, 26th February, 1896.

Madras Presidency :—

Late sown Gingelly of 1895-96, 15th April, 1896; Cotton crop of 1895-96, 10th February, 1896; and Paddy crop of 1895-96, 15th February, 1896.

Burmah :—

Rice crop Prospectus, 1895-96, 10th February, 1896.

Note on the relative importance of the Principal crops grown in the Lower Provinces of Bengal.

Report on the Road-side arboriculture, Central Provinces for 1894-95.

The following contributions were made to the Gardens :—

A packet of seed of Eucalyptus citriodora from Mr. M. Ridley, Superintendent, Horticultural Gardens, Lucknow.

Garcinia indica seed, from Mr. J. H. Stephen, Horticultural Gardens, Nagpur.

Seed of Tecoma stans and Cedrela odorata from the Director, Botanic Gardens, Grenada.

A Plant in each of Crinum sp. and Æridos Lindleyana from Revd. Jenson, Madras.

Seed of Sapindus saponaria from the Botanic Gardens. British Grenada.

A packet of each of Erythrina umbrosa and E. lithosperma seed from Messrs. William Brothers, Heneratagoda. Ceylon.

Mango Grafts.—Read letter from the District Forest, Officer, South Arcot, dated 1st June, 1896, stating that Mango Culture is very restricted and confined to a few common varieties and suggests that reference should be made to Salem and North Arcot where several varieties of both the common and grafted Mangoes are cultivated.

Recorded.

Isonandra.—Read letter from Mr. J. T Krishnamacharya, one of the Attorney-at-law at Pondicherry, dated 9th June, 1896, requesting to enter his name as an A Class member and asking the price, &c., for 100 plants of Isonandra Gutta.

Mr. S. T. Krishnamacharya has been elected a member of the Society and informed that particulars about Isonandra will be forwarded as soon as we find out where it may be procured.

Recorded.

Government Extra Grant.—Read Proceedings of the Madras Government, dated 11th June, 1896, No. 371, Financial Department, sanctioning the Extra Grant of Rs. 500 for Flower Show, 1897 from the provision under 26, Scientific and other Minor Departments, in the Budget for 1896-97.

Recorded with thanks.

Revision of Prize list for 1897.—The revision of the list of Prizes was considered and the following additions and alterations were made :—

	Prizes Cancelled.	Prizes Added.
Class I.	Perennial Phlox. ..	Gaillardias.
Class III.	Collection of cut Flowers.	Best arranged table for 8 persons with fruit and floral decorations.
	Cut Roses. ...	Best Bouquet arranged by ladies
	.. ..	Best 6 Button-holes arranged by ladies.
Class IV.	Bulbous & tuberous rooted Plants. A prize of Rs. 7 for Caladium was altered into Rs. 5. Best Single Shrub.	
Class V.	Rare Plants. ...	
Class VII.	.. ..	Collection of Edible roots.
Class VIII.	Collection of dried fruits.	
Class IX.	... ...	Was thrown open to Reformatory Schools.
Extra Prize List.	... ...	A collection of Paddy of varieties.

D. DUNCAN,
Chairman.

A. G. BOURNE,
Honorary Secretary.

Financial Statement for April to June, 1896.

RECEIPTS.	Amount,	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs. Binny & Co., on 31st March, 1896	1,999 4 9		Pay of Establishment	1,058 2 8	
Cash in hand for transmission to the Bank on 31st March, 1896	31 12 0		Pay of Coolies	195 11 0	
Do. Petty Cash do. ...	18 3 1		Seeds purchased	621 6 7	
		2,049 3 10	Plants do.	246 10 4	
By sale of seeds during April to June, 1896...	286 14 0		Books, Newspapers and binding charges	95 5 0	
Do. plants do. ...	677 15 0		Municipal water supply	78 14 1	
Do. sundries do. ...	136 3 3		Printing and advertising ...	38 6 0	
By subscription from Members do.	447 0 0		Garden requisites and repairs ...	39 5 9	
By monthly Government grant do.	750 0 0		Postage on letters, and seeds to foreign gardens...	26 6 0	
By Government extra grant do.	500 0 0		Flower Show expenses	80 8 6	
Do. for flower show 1897 ...	500 0 0		Petty expenses, such as Railway charges, Rail cooly, &c. ...	130 4 0	
		3,298 0 3			2,610 15 11
			Balance with Messrs. Binny & Co., on 30th June, 1896	2,678 14 11	
			Cash in hand for transmission to Binny & Co., on 30th June, 1896	36 14 0	
			Do. Petty cash do. ...	20 7 3	
					2,736 4 2
Total Rupees...		5,347 4 1	Total Rupees		5,347 4 1

Agri-Horticultural Society, Madras.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Agri-Horticultural Society of Madras, for July, 1896.

Proceedings circulated for perusal to the Committee Members.

The following contributions were made to the Garden Library :—

Bulletin of the Department of Agriculture, Brisbane, No. 8 (2nd Series) on Practical Poultry Farming by Mr. Lance Rawson.

The Tropical Agriculturist for June, 1896, Vol. XVI, No. 12.

Planting Opinion, 20th June, and 4th July, 1896.

Bulletin of the Department of Agriculture, Brisbane, No. XIII, April 1896.

Proceedings of the Tenasserim Agri-Horticultural Society, Moulmein, for June, 1896.

Bulletin of the Agricultural Experiment Station, Berkeley, California, Nos. 109 & 110, 1896.

Bijdrage No. 3 tot de kennis der Boomsoorten van Java, 1896.

Third Annual Report of the Agricultural Chemist to the Government of India, Calcutta.

Proceedings of the Madras Government No. 218, dated 23rd May, 1896 passing orders on certain points connected with the Administration of the Government Cinchona and Botanical Departments, Ootacamund.

Revue Agricole et Journal de la Chambre d'Agriculture de L'Ile deMaurice No. 6, Juin, 1896.

Annual Report of the Botanic Gardens, Graaff-Reinet, Cape Colony, for 1895.

Annual Report of the Government Agri-Horticultural Gardens, Lahore for the year ending 31st March, 1896.

Annual Report of the Civil Veterinary Department, Bengal for the year 1895-96.

During the month the following seeds were received :—

Seeds of Bassia latifolia and Zizyphus jujuba from Mr. T. H. Storey, Superintendent, Public Gardens, Oodeypore.

One pound each of seed of Uplands and Sea Island Cotton from Mr. P. Lancaster, Secretary, Agri-Horticultural Society, Calcutta, by request.

A packet of seed of Gossypium Stocksii, Wild cotton from Sinde, from Mr. H. M. Page, College of Science, Poona.

A Wardian Case.—Belonging to the Agri-Horticultural Society of India, was returned on the 26th July, per S.S. "Mombassa" packed with the following plants :—

1 Nyctocalos Thomsonii.
1 Couroupita guineensis.
1 Sophora interupta.
2 Sterculia heterophylla.
1 Mimusops globosa.
1 Bauhinia Hookerii.
1 Natal Daisy.
1 Tecoma diversifolia.
1 Sterculia urens.
1 Bauhinia Galphini.
1 Spathelia simplex.
1 Amphilophium Mutisii.
1 Ptycosperma McArthurii.
1 Vitis quinquifolia.
1 Bauhinia candida.
1 Aristolochia Duchartii.
1 Do. leuconeuron.
1 Costos malortianus.
1 Guania domengensis.
1 Albizzia moluccana.
1 Erythrina vespertilionis.
1 Brexia madagascariensis.
1 Bignonia megapotamica.

Egyptian Cotton Seed—Read letter from Mr. Maurice Wolff, dated, Mansourah, Lower Egypt, 18th June, 1896, forwarding a small bag of "Abassi" Cotton Seed through the Captain of the German S.S. "Bhopal."

The seeds were received on the 9th July, 1896 and were distributed to the following Gardens :—

John Cameron, Esq., Superintendent, Lal Bagh, Bangalore.
Mr. G. M. Woodrow, Lecturer, College of Science, Poona.
Mr. W. Strachans, Municipal Gardens, Karachi.
H. G. Hein, Esq., Horticultural Gardens, Lahore.
T. H. Storey, Esq., Maharajah's Gardens, Oodeypore.
The Director of Agriculture, Cawnpore.
Mr. M. Ridley, Esq., Superintendent, Horticultural Gardens, Lucknow.
J. Phillips, Esq., Government Gardens, Allahabad
H. Thorn, Esq., Superintendent, Maharajah's Gardens, Durbungah.
J. H. Stephen, Esq., Superintendent, Horticultural Gardens, Nagpur.
The Honorary Secretary, Cossipore Gardens, Calcutta.
Mr. J. Wallace, Mysore.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Agri-Horticultural Society, Madras, for August, 1896.

Proceedings circulated for perusal to the Committee Members.

The following contributions were made to the Garden Library :—

Hooker's Flora Indica, Vol. VII, Part 1, from the Revenue Board, Madras.

Index to the Dictionary of the Economic Products of India, by Dr. Watt, prepared by Mr. Thurston and Mr. Mukerji, 1896, from the Government of India, Department of Revenue and Agriculture, Calcutta.

Report of the Department of Land Records and Agriculture, Central Provinces, for the year 1894-95, from the Director of Land Records and Agriculture, Central Provinces.

The Tropical Agriculturist for August, 1896, from the Editors.

Bulletin of Miscellaneous Information, Botanic Gardens, Grenada, for May, 1896, from the Director of the Botanic Gardens.

Bulletin of the Botanical Department, Jamaica, for June, 1896, from the Director of the Botanic Gardens.

Bulletin of the Department of Agriculture, Brisbane, No. 2, second series for February, 1896; and No. 10 for May, 1896, from the Director of the Botanic Gardens.

Report on the Horticultural Gardens, Lucknow for the year ending 31st March, 1896, from the Superintendent of the Horticultural Gardens

Proceedings and journal of the Agri-Horticultural Society of India for April-June 1896 from the Secretary, Horticultural Society.

Records of the Geological Survey of India, Vol. XXIX, Part 3, 1896 from the office, Calcutta.

Bulletin No. 32, of the Department of Land Records and Agriculture from the Secretary, Board of Revenue, Madras, 1896.

Proceedings of the Government of Madras, No. 326, 326 A, 11th July, 1896, reviewing the Report on the Administration of the Government Gardens, Ootacamund and No. 350, 23rd July, 1896, reviewing the report on the administration of the Cinchona Department, Ootacamund.

Plantes Vivantes offertes en échange aux jardins Botaniques Par le Museum D'Histoire Naturelle De Paris, 1896.

Planting Opinion, August, 1st, 15th and 29th, 1896, from the Editor, Coonoor.

Bulletin van het Koloniaal Museum te Haarlem, Juli, 1896.

The following contributions were made to the Gardens :—

Bulblets (36) of Fourcroya gigantea and seed of Pseudophœnix Sargentii from the Director, Royal Gardens, Kew.

Seed of Swietenia Mahogani from the Superintendent, Royal Botanic Gardens, Calcutta.

A box full of Burmese Orchids (only 2 plants received alive) from Major H. L. Hutchins, Madras.

Seed of the undermentioned were received from Baron Ferd. Von Mueller, Government Botanist, Melbourne :—

Acacia spherea.
Anopterus glandulosa.
Agonis flexuosa.
Bellardera longiflora.
Blandfordia marginata.
Bauhinia variegata.
Cordyline australis.
Casuarina distryla.
Chorozema diversifolia.
Coprosma hirsuta.
Cordyline nutans.

Isonandra Plants.—Read the following letter from Mr. H. S. Ferguson, dated, Trevandrum, 4th August, 1896 :—

"In reply to your letter No. 1,016 of the 11th ultimo, I regret very much to inform you that I am unable to send you any seed this season. Mr. Marshall writes to say that the tree in question is getting very scarce in the district as it is used by the Planters for cutting shingles for the roofs of their Bungalows. He has not been able to find any although he sent men out several times at my request. I will do my best to get you the seeds by the next season."

Recorded and communicated to Mr. Krishnamacharaya, Pondicherry, who asked for the seed—see p. 28 *ante*.

New Fodder.—Read the following lettter from the Agrostologist, United States Department of Agriculture, Washington D. C., dated, 1st August, 1896 :—

"I forward you to-day, enclosed in separate wrapper, a small package of seed of the "Florida beggar weed (Desmodium tortuosum Swz.)," a wild forage plant highly esteemed in the sub-tropical portions of the United States. "It produces fodder of fine quality in large quantities, and grows best on sandy soils containing lime. On cultivated lands it grows often 8 to 10 feet. The haulms though rather woody, are eaten by cattle and working stock of all kinds. Beggar weed makes an excellent green manure. In Florida it is extensively used as a renewer of worn lands. It promises to be a plant of much agricultural value in the warmer countries."

Recorded and seed distributed.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Committee of the Agri-Horticultural Society for September, 1896.

Proceedings circulated for perusal to the Committee Members.

The following contributions were made to the Garden Library :—

Planting Opinion No. 27, for September 12th, 1896, from the Editor.

Tropical Agriculturist for September, 1896, from the Editors.

Report on the Progress and condition of the Government Botanic Gardens, Saharanpur and Mussoorii, 1896.

Kew Bulletin of miscellaneous information for March and April, 1896.

Jamaica Bulletin for July, 1896, and also for July, 1894, from the Director of the Botanic Gardens.

Indian Forester for July-August, 1896, from the Publishers.

Report of Proceedings of Royal Colonial Institute, 1895-96. Vol. XXVII, from the Secretary of the Institute.

Report of the Botanical Department of the State Agricultural College, Michigan, U. S. America.

A Brief Account of the Botanic Garden of the Michigan State Agricultural College, September 1882.

Annual Report on the Government Cinchona Plantation and Factory in Bengal for 1895-96.

Journal of the Royal Horticultural Society, Chiswick, London, Vol. XX, Part 1, August 1896, from the Secretary of the Society.

Proceedings of the Madras Government, No. 350, 23rd July, 1896, reviewing the report on the Administration of the Government Cinchona Department for 1895-96.

Annual note on crop Experiments in Assam, for 1895-96.

Records of the Botanical Survey of India, Vol. I., No. 7. A note on Indian Wheat-rusts, 1896.

Experiment Station Record of the U. S. Department of Agriculture, Washington, Vol. VII, No. 8.

Proceedings and Journal of the Agricultural and Horticultural Society of India for April-June, 1896, from the Secretary of the Society.

Table A (ii) of Agricultural Statistics of Cadastrally-surveyed areas in Bengal for the year 1894-95.

Report of the Director of the Botanical Survey of India for the year 1895-96.

Agricultural Ledger for 1896 :—

No. 1, Beh ; No. 4, Jack-fruit tree ; No. 9, Tanning materials ; No. 11, Fibres; No. 12, Nellore Cattle ; No. 13, Oxen; No. 14, Indian Turpentines ; No. 18, Agricultural Improvements ; and No. 25, bark of Ailantus excelsa.

Notizblatt des Königl. Botanischen Gartens and Museums Lu Berlin, Appendix II, 15 Januar 1896.

Preliminary Wholesale Catalogue of Transon Brothers' Nurseries, France, for 1896-97.

The following contributions were made to the Gardens :—

A Wardian case containing 24 varieties of Cannas from Mr. P. Lancaster, Secretary, Agri-Horticultural Society of India, Calcutta. Several were dead on arrival.

Two Plants of Annamally Ground orchid from Mr. T. J. Ferguson, Calicut and also Hevea braziliensis seed.

A basket of seed of Castanospermum australe from Mr. Ponnurungum Pillay, Superintendent, Guindy Park.

A packet of seed of Pithecolobium polycephalum from the Botanic Gardens, Grenada.

Seed of Bowenia spectabilis from the Botanic Gardens, Rockhampton.

Plants from Durbungah.—Read letter from Mr. H. Thorn, Superintendent, Raj Gardens, Durbungah, Dated Tirhoot, 14th September, 1896, forwarding a small box containing four rare plants.—Aristolochia gigas var. Strutevanti, Ixora Westii, Canna Queen Charlotte and Canna Sophia Bucker, and thanking us for the Proceedings, seed, &c., we send to him, from time to time Mr. Thorn reports that he has distributed the Egyptian cotton seed, "Abassi" to the cultivators in his district.

The plants were received in perfect order.

Cinnamomum Plants.—Read letter from Dr.George King, Dated Royal Botanic Gardens, Calcutta, 7th September, 1896, offering to supply a wardian case of Cinnamomum camphora plants for trial, free of charge.

Offer accepted, a case of plants will be forwarded for presentation to Dr. G. King ~~and~~ the case to be returned with Camphor plants.

Horticultural Gardens, Ooty.—Read letter from Mr. J. W. Minchin, Ag. Secretary, Agri-Horticultural Society, Nilgiris, dated Rocklands, Ootacamund, 23rd September, 1896, asking for the Rules of our Society for the Meeting to be held there on the 3rd October, 1896, and enquiring how and where the Madras Society procures its Flower and Vegetable seeds.

A copy of the Rules of the Society, Catalogues of Sutton and Sons, and those of Vilmorin Andrieux and Co., were forwarded for information.

Beggar Weed.—Read letter from Mr. Gollan, dated Saharanpur, 7th September, 1896, acknowledging a packet of seed of Florida Beggar weed, Desmodium tortuosum, from the Society, and adds that he tried the Beggar weed three years ago and that it did well as a rainy season crop, but that the cattle would not eat it.

Recorded.

Rainfall.—Rain collected by the garden Rain-gauge from June to September, 1896, was :—

Month.	No. of days.	Quantity.
June	... 6	... 1·33
July	... 6	... 1·84
August ...	... 16	... 6·01
September ...	... 7	... 5·47
	TOTAL... 35	14·65

Financial Statement for September, 1896, and July to September, 1896.

Read and passed.

A. G. BOURNE,
Honorary Secretary.

Financial Statement, July to September, 1896.

RECEIPTS.	Amount.	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs. Binny & Co., on 30th June, 1896	2,678 14 11		Pay of Establishment	1,059 0 2	
Do. in hand for transmission to the Bank, 30th March, 1896 ...	36 14 0		Pay of Coolies	187 0 6	
Do. in hand, petty cash do. ...	20 7 3		Seeds, Country and Imported ...	181 0 8	
		2,736 4 2	Do. English	418 12 2	
By sale of seeds, during July to September, 1896	426 14 6		Plants	100 11 0	
Do. plants do. ...	275 13 0		Garden requisites	37 10 3	
Do. sundries do. ...	136 0 0		Books and periodicals	22 5 0	
Do. loan of plants do. ...	40 0 0		Printing and advertising	72 7 0	
By Subscription from Members ...	435 0 0		Pots and potting materials ...	36 6 0	
By Government Grant	750 0 0		Repairs to potting sheds and re-roofing fern houses	95 5 6	
		2,063 11 6	Municipal water, lighting, &c., Tax	22 14 0	
			Red Hills water supply	71 9 6	
			Postage on letters, seeds and proceedings	28 9 0	
			Petty expenses, such as cart hire Rail charge, &c., recoverable ...	206 0 6	
			Other expenses	30 11 9	
					2,570 7 0
			Balance with Messrs. Binny & Co., on 30th September, 1896... ...	2,197 2 9	
			Do. in hand for transmission to the Bank on 30th Sept., 1896...	25 2 0	
			Do. in hand, Petty cash on 30th September, 1896	7 3 11	
					2,229 8 8
Total Rupees...	.....	4,799 15 8	Total Rupees...	.....	4,799 15 8

Agri-Horticultural Society, Madras, 2*nd October*, 1896.

A. G. BOURNE, *Honorary Secretary.*

Proceedings of the Committee of the Agri-Horticultural Society of Madras, for October, 1896, held on Monday, the 9th November, 1896, at 7-30 a.m.

PRESENT :

THE HON. J. STURROCK, (*in the chair.*)

SURG.-MAJOR-GENL SIBTHORPE. | THE HON. DR. D. DUNCAN.

DR. A. G. BOURNE, (*Honorary Secretary.*)

The following contributions were made to the Garden Library :—

The Tropical Agriculturist, No. 4, Vol. XVI, October, 1896.

The Indian Forester, No. 8, Vol. XXII, September, 1896.

Report of the progress and condition of the Government Botanical Gardens, Saharanpur and Mussoori for the year ending, 31st March, 1896.

Experiment Station Record Vol. VII. Nos. 9 and 10, U. S. Department of Agriculture, Washington.

Resolution on the management of the District Gardens in the Central Provinces for the year 1895-96.

Bulletin No. 1, 1895 of the Department of Land Records and Agriculture, Bengal, Calcutta.

Bulletin of Miscellaneous Information, Grenada Botanic Gardens, June 1896.

Bulletin No. 34 of the Madras Department of Land Records and Agriculture, 1896.

Annual Report of the Department of Land Records and Agriculture, Assam, in 1895-1896.

Revue Agricole et journal de la chambre D'Agriculture de L'le, Maurice, Avril, 1896.

Planting Opinion, September 26th and October 10th and 24th, 1896.

Agricultural Ledgers, 1895. No. 2, Acacia catechu, No. 3, Horses, Asses and Mules; No. 22, Al Dye-Morinda; No. 24, Andropogon sorghum ; No. 26, Burma silk No. 27, Letpet Tea ;

Acta Horti Petropolitani, Tomas, XV, No. 1, 1896.

F. W. Kelsey's Autumn catalogue of choice hardy Trees and Shrubs, &c., New York, 1896, No. 37.

Vilmorin Andrieux & Co.'s, Wholesale Seed-list for Autumn 1896.

Rules and Regulations of the Nilgiri Agri-Horticultural Society, Coonoor.

Appendix II, of the Kew Bulletin of Miscellaneous Information, 1896.

The following contributions were made to the Gardens :—

A plant of red flowered Plumeria from Mr. Charles Gray, Coonoor.

A packet of seed of Desmodium gyrans from Mr. P. Lancaster, secretary, Agri-Horticultural Society, Calcutta.

A packet of English vegetable seeds, from the Hon'ble Justice Davies, Egmore, Madras.

One hundred and five packets of Australian seeds from Mr. Maurice Holtze, superintendent, Government Botanic Gardens, Adelaide.

Seed of Agapanthus umbellatus and A. umbellatus var. albus from Mr. Medley Wood, curator, Botanic Gardens, Berea, Durban, Natal.

13 Ferns of sorts, and tuber name not known, from Mrs. Munro, Peermaad.

Seed of Eperna falcata, Pimenta acris and Peltogyne porphyrocardia (Purple heart) from Mr. J. H. Hart, Botanic gardens, Trinidad.

Plants to Calcutta.—A wardian case containing the following plants was forwarded on the 30th ultimo, to Dr. George King, superintendent, Royal Botanic Gardens, Calcutta. In return he promised to send us Cinnamomum Camphora plants.

Sterculia heterophylla
Coroupita guineensis
Amphilophium Mutisii
Gymnospora sp.
Spathelia simplex
Sterculia urens
Zamioculcas Loddigesii
Solanum Havanense
Brexia madagascariensis, 2 plants
Mimusops globosa
Bauhinia diphylla
Bauhinia Hookeri
Vitis quinquefolia
Quassia amara
Albizzia pruinosa
Euphorbia heterophylla
Bauhinia candida
Erythrina vespertiolinis
Bignonia venosa
Tecoma diversifolia
Guania domingensis

A wardian case of plants also forwarded on the 31st ultimo to Mr. P. Lancaster, secretary, Agri-Horticultural Society, Calcutta, in return for the plants of Canna he presented. The case had the following :—

Solanum havanense
Cordia Rothii
Excœcaria cochinchinensis
Bridelia retusa
Plumeria sp.
Bauhinia monandra
Anogeissus acuminata
Sclerocarya caffra
Ficus comosa
Asystasia travencorica
Schliechera trijuga
Desmodium umbellatum
Barringtonia speciosa
Diospyros decandra
Albizzia pruinosa
Yucca quadricolor
Mikania guaco

Budget Estimate—*Read* the following paper, from the Honorary Secretary, Agri-Horticultural Society, Madras, dated 17th September, 1896, No. 1591.

ORDER—No. 611, Financial, dated 21st September, 1896.

The usual grant of Rs. 4,000 will be entered in the budget for 1897-98. The special allotment (Rs. 500) for prizes will not, however, be disbursed in the event of the annual Flower Show not being held in 1898.

(True Extract.)

F. J. WILSON,

For Acting Chief Secretary.

Detailed Account No. 26G.—Scientific and other Minor Departments.—

BOTANICAL, &c., GARDENS.

—	Budget Estimate, 1897-98.	Revised Estimate, 1896-97.	Budget Estimate, 1896-97.	Accounts, 1895-96.
BOTANICAL AND OTHER PUBLIC GARDENS.	RS.	RS.	RS.	RS. A. P.
Other Public Gardens.				
Agri-Horticultural Gardens, Madras	4,000	4,000	4,000	4,000 0 0
Receipts.				
Government grant ...	3,500	3,500	3,500	3,500 0 0
„ special grant for prizes	500	500	500	500 0 0
Subscription from members	1,800	1,800	1,500	1,807 0 0
Sale of admission tickets at Flower Show... ...	900	900	850	860 2 0
„ of seeds	1,750	1,750	1,750	1,612 15 6
„ of plants	1,400	1,400	1,200	1,036 13 6
„ of sundries	1,000	1,000	950	1,424 4 0
Total...	10,850	10,850	10,250	10,741 3 0
Expenses.				
Prizes and other expenses connected with Flower Show	1,400	1,400	1,410	1,446 15 1
Advertisements and printing charges	200	200	200	201 15 0
Stationery and postage ..	140	140	113	134 8 3
Books and periodicals ...	160	160	195	160 4 1
Fixed establishment ..	3,900	3,900	3,995	4,018 1 1
Cooly labour	790	790	797	866 4 0
Carts and cooly hire and rail charges	480	480	480	504 12 0
Seeds purchased	1,660	1,630	1,650	1,629 6 4
Plants purchased... ...	350	350	540	457 7 10
Pots and potting materials	300	300	290	433 14 0
General repairs & garden requisites	200	200	230	183 12 3
Quit-rent & municipal tax	50	50	50	50 6 6
Red Hills water-supply ...	350	350	350	341 6 11
New buildings and repairs to old	100	100	70	104 1 6
Petty expenses unrecoverable	250	250	250	323 12 7
Rain gauge	...	...	...	1 12 0
New gate	...	...	...	32 1 6
Total...	10,300	10,300	10,623	10,890 12 11

Plants from Natal.—Read letter from Mr. Medley Wood, dated 5th August, 1896, thanking us for the packet of Indian seeds we sent to him and sending in return a packet of each of Agapanthus umbellatus and A. umbellatus albus seed which we asked for. Mr. Medley Wood will send a Wardian case of plants by the next available steamer that leaves Natal direct.

Recorded.

Prize for Medicinal Plants.—Read letter from Mr. A. C. Paul, superintendent Cossipore Practical Institution of Horticulture, Floriculture &c., offering a prize of Rs. 16 or a silver medal for the best collection of medicinal plants exhibited at our next Flower Show on 27th February, 1897.

The offer of a prize of a silver medal for the exhibit of medicinal plants at our next Flower Show, is accepted with thanks.

Plants in flower.—The following is a list of the plants in flower at the Society's Gardens, during October, 1896.

Antigonon leptopus
Adenanthera pavonina
Aglaia odorata
Allamanda Schottii
Artabotrys odoratissimus
Acacia Sundra
„ auriculata
Anona muricata
Achras sapota
Angelonia salicarifolia
Aristolochia elegans
„ ridicula
„ gigas var Sturtevantii
Allophyllus cobbe
Amphilophium Mutisii
Bignonia Chamberlaynii
„ megapotamica
Bauhinia acuminata
„ tomentosa
„ purpurea
„ galpini
Blighia sapida
Barleria rosea
„ involucrata
Bougainvillea spectabilis
„ laterita
Crinum toxicarium
Cordia Rothii
„ sebestena
tectonæfolia
Colubrina asiatica
Coccoloba platyclada
„ uvifera
Citharexylum subserratum
Cæsalpinia coriaria
Cassia Roxburghii
„ tomentosa
Catesbœa spinosa
Carica papaya
Convolvulus sp. from Guindy
Duranta Plumerii
Dombeya angulata
Euphorbia Bojerii
Erythroxylon Coca
Guettarda speciosa
Gossypium arboreum
Golonium lanceolatum
Gmelina asiatica

Gmelina hystrix
Guajacum officinale
Hamelia patens
Hibiscus collinus
Hibiscus schizopetalus
„ mutabilis
Jacquemontia violacea
Justicia Ecboliu.n
Jatropha podagrica
„ panduræformis
Ixora coccinea
Ipomæa Leearii
Kleinhovia hospita
Kigelia pinnata
Lobelia longiflora
Memecylon edulis.
Murraya exotica
Michelia pulneyensis
Malpighia heteranthera
„ glabra
„ punicæfolia
Millingtonia hortensis
Malvaviscus arboreus
Mimusops hexandra
„ Elengi
Maurandya Barclayana
Nymphæa stellata
„ alba
Nyctanthes arbor-tristis
Orchipeda fœtida
Petiveria octandra
Plumeria sp.
Passiflora laurifolia
Pterospermum suberifolium
Pereskea aculeata
Phyllanthus leucopyrus
Plumbago capensis
Poinciana pulcherrima
Quassia amara
Quamoclit pinnatum
Russelia juncea
„ multiflora
Rondeletia speciosa
Solanum Seaforthianum
Spathodea adenophylla
„ arcuata
Sethia indica
Thunbergia grandiflora
Tristellateia australasica
Tecoma stans
Tectona grandis
Tabernæmontana parviflora
„ dichotoma
Terminalia paniculata
Victoria Regia
Volkameria Kæmpherii
Wrightia tinctoria
Chlorophora tinctoria
Zizyphus jujuba
Putranjiva Roxburghii

Aristolochia gigas.—This interesting climber flowered for the first time in the Gardens on the 12th October. The flowers do not last long, withering the day after opening. The latest flower on the 26th October, measured 12 inches across with a tail of 21 inches. The plant is young, and may give larger flower hereafter.

Recorded.

Jadoo Fibre.—A small box of Jadoo fibre was received from Mr. P. Lancaster, secretary, Agri-Horticultural Society, Calcutta for trial in our Gardens. An analysis of the fibre would be interesting.

Government Museum Grounds.—Read letter form the Consulting Architect to the Goverment of Madras No. 3321, dated 28th September, 1896, and order thereon sanctioning the estimate for Rs. 645-12-0 for planting trees, &c., in the

Government Museum Grounds and askingt hat the work may be commenced at once.

Zanzibar Correspondent.—Read letter from Mr. R. N. Lyne, Director of Agriculture, to the Government of Zanzibar, dated 1st October, 1896, asking the Society to open communication with him, with the view of exchanging information that may be considered of value and mutual assistance in obtaining seeds, plants, &c.

Resolved that our publications be sent to Mr. R. N. Lyne, and that he be informed that we will help in other ways if required.

Financial Statement.—For October, 1896.

Read and passed.

Rainfall.—During the month 2·78 inches of rain fell in 5 days, as registered by the Garden Rain guage.

Office repair.—The estimate for Rs. 113-0-0 for repairing the office was sanctioned.

J. STURROCK,
Chairman.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Members of the Committee of the Agri-Horticultural Society of Madras, for November, 1896.

Proceedings circulated for perusal to the Committee Members.

The following contributions were made to the Garden Library:—

Kew Bulletin of Miscellaneous Information for July-August and September-October, 1896, from the Director of the Gardens.

Bulletin of the Botanical Department, Jamaica for September, 1896, from the Director of the Botanic Gardens.

The Tropical Agriculturist for November 1896, from the Editor.

Annual Report of the Sibpur Experimental Farms for 1895-96, Dumraon Experimental Farms for 1895-96, and Burdwan Experimental Farm for 1895-96.

The Indian Forester for October 1896, from the Editor.

Agricultural Ledger :—No. 5, Camphor—No. 6, Abroma augusta and other fibre plants—No. 7, Polygonum cuspidatum—No. 18, Sheep—No. 10, Oxen and Buffaloes—No. 19, Sugar Cane and Raw Sugar—No. 20, Cattle disease—No. 20, Indian Fungi—No. 28, Cattle disease, from the Government of Bengal.

Proceedings of the Meeting of the Sub-Committee of the Nilgiri Agri-Horticultural Society, held on the 5th November 1896, from the Honorary Secretary of the Society.

Proceeding and Journal of the Agricultural and Horticultural Society of India, Calcutta for July—September 1896, from the Secretary of the Society.

Bulletin No. 11, of the Department of Agriculture, Brisbane, September 1896, from the Director of the Gardens.

Experiment Station Record, Vol. VII., No. 11, of the U. S. Department of Agriculture, Washington.

Annual Agricultural Report of the Department of Land Records and Agriculture, Bengal for the year ending, 31st March 1896.

Planting Opinion, November 7th and 21st, 1896 from the Editor.

Revue Agricole et Journal de la chambre D'Agriculture de L'Ile Maurice, September and October 1896.

Lindley's Vegetable Kingdom, 3rd Edition 1853, from Mr. J. M. Gleeson, Madras.

Adenda to Glossary of Revenue Terms to be appended to Vol. I. of North Arcot Manual, from the Revenue Department, Madras.

Bulletin of the Department of L. Records and Agriculture, Madras—No. 33, on the use of Iron Ploughs in the Ceded Districts, from the Board of Revenue, Madras.

Proceedings of the Madras Government No. 490, 24th September 1896 re Agricultural Eduction and Experiment, from the Government Revenue Department, Madras.

Report on Experimental cultivation at the gardens at Taunggyi for the year, 1895-96.

Damman & Co.'s Catalogue of Seeds and Plants 1896-97 No. 92.

Transon Brothers and Son's Nursery Trade List for Autumn 1896 and Spring 1897.

Bœhmer Co.'s Catalogue of Plants and Seeds Yokohama, Japan.

Catalogue of Himalayan Seeds Stores for 1895-96 and grand Novelties and Specialties for 1895-96 from the Manager of the Firm.

Verslag omtrent den staat van S'Lands Plantentuin te Buitenzorg—1895 from the Editor.

Plants from Calcutta.—Read letter from Dr. George King, superintendent, Botanic Gardens, Calcutta, dated 18th November, 1896, thanking the Society for the Wardian case of plants and intimating that he is returning the case filled with 35 camphor plants per S.S. Mombassa on the 16th November, 1896.

Nilgiri Horticultural Society.—Read letter from Mr. J. W. Minchin, honorary secretary, Niligiri Agri-Horticultural Society, dated 5th November 1896, thanking for our letter of the 27th ultimo, No. 1933, and adding "that any seeds that you can spare to us, that you may receive from different parts will be thankfully accepted and shall be distributed among such members of our Society as will undertake to try them carefully."

Flowers.—The following is a list of the principal trees and shrubs in flower during November, 1896:—

Kopsia fruticosa
Phyllarthron comarense
Meyenia erecta
Ixora rosea; I. coccinea; I. stricta
Acacia auriculiformis
Gouania domingensis
Passiflora kermesina; P. lunulata
Clerodendron inerme; C. calamitosum; C. nutans
Careya arborea
Stachytarpheta urticæfolia
Glycosmis pentaphyllus
Myroxylon toluiferum
Thevetia neriifolia
Heritiera Fomes,
Barleria cristata; B. alba; B. rosea; B. longiflora
Myrtus communis
Holmskioldia sanguinea
Euphorbia heterophylla
Clitoria Plumerii
Vallaris dichotoma
Hibiscus populneus
Clerodendron speciocissimus
Tradescantia discolor
Ravenia spectabilis
Thyrsacanthus strictus
Thysanolaena acarifera
Spathodea crispa
Parmentiera cerifera
Xylophylla angustifolia
Episcea aurantiaca
Eugenia uniflora
Eranthemum bicolor, E. crenulatum
Dædalacanthus nervosus
Ruellia rosea
Aphelandra cristata
Goldfussia isophylla

African Plants.—The following is a list of the plants raised from the seeds sent by the late Mr. Rhodes Morgan on the 5th March last, with the number under which they came.

4. Lofty evergeen tree, valuable timber—Ebenaceæ.

5. Evergreen tree, 40 feet, fruit edible and timber valuable. Ebenaceæ.

7. Acacia sp, ornamental and suitable for timber and fuel. Leguminosæ.

8. Do do do

11. Lofty ornamental tree, suitable for avenues, timber valuable, fruit eaten by animals—Natural order unknown.

13. Tree 40 feet; ornamental, sap milky—order unknown.

17. Hog plum, fruit eaten by elephants and deer Spondias.

19. Handsome ornamental tree, flower lilac, suitable for parks and gardens—order unknown.

23. Shrubby bush, fruit edible—order unknown.

26. Edible African fig, 60 feet, suitable for coffee shade. Ficus sp.

31. Handsome fig, suitable for avenues and coffee shade. Ficus sp.

32. Solanum ornamental, 4 feet.—Solanaceæ

33. Do do Solanaceæ.

40. Acacia, ornamental- -Sophora sp. ?

41. Handsome compositæ.

50. A handsome forest tree—order unknown.

53. Acacia suitable for fuel and ornamental plantation. Leguminosæ.

Ornamental grass.—Erythina sp.—Compositæ and a plant unknown. These were without numbers.

Rain Tree Measurement.—Read letter from the Hon: Mr. A. T. Arundel, dated Searle's Garden, Adyar, Madras, 28th November, 1896 forwarding the girth measurements at 3 feet from the ground of the two Rain-trees (Pithecolobium Saman) planted in front of his house at the end of 1892.

	9th Nov. 1893.	9th Dec. 1894.	28th Nov. 1895.	28th Nov. 1896.
Westerly tree.	$6\frac{3}{4}''$	17″	2′-1″	$33\frac{3}{4}''$
Easterly tree.	×	16″	1′-$10\frac{1}{2}''$	$29\frac{3}{4}''$

Recorded with thanks.

Rainfall.—During the month 34·31 inches of rain fell in 18 days as registered by the Garden Rain gauge.

Financial Statement.—Financial Statement for November.

Read and passed.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Members of the Committee of the Agri-Horticultural Society of Madras, for the month of December, 1896.

Proceedings circulated for perusal to the Committee Members.

The following contributions were made to the Library :—

Kew Bulletin of Miscellaneous Information for November 1896.

Records of the Botanical Survey of India, vol 1. No. 4.

Bulletin of the Department of Agriculture, Brisbane, October 1896 on Silage and the Silo.

Proceedings of the Nilgiri Agri-Horticultural Society, held in November, 1896.

Agricultural Ledger of 1896—No. 29. Rumex nepalensis, No. 21, grass sowing on Embankments, No. 8, Cattle disease.

Annual Report on the Gardens of His Highness Maharana Fatah Singhii of Oodeypore for 1895-96.

Records of the Geological Survey of India, vol. XXIX., Part 4. 1896.

Annual Report of the Government Experimental Farm, Poona, for the year ending 31st March 1896.

Indian Forester, November 1896 No. XXIII No, 11, and also for December 1896.

Semi-Annual Report of Schimmel and Co,, October 1896.

Notes on the Commercial Timbers of New South Wales.

Bulletin of the Botanical Department, Jamaica for October, 1896.

Experiment Station Record—vol. VIII., part 1, of 1896.

The Tropical Agriculturist for December 1896.

Sutton's Amateurs' Guide in Horticulture for 1897.

Records of the Geological Survey of India, vol. XXIX., part 4. 1896.

Vilmorin Andrieux and Co.'s General Wholesale Seed list, 1896-97

The following contributions were made to the Gardens :—

Two packets of select Canna seeds from Reverend Father Benziger, Kandy.

Seed of Canavalia ensiforme from Mr. M. Ridley, Lucknow. This seed was procured for Mr. Wolff, Mansoura, Egypt and has been forwarded.

Fruit of Zizyphus jujuba from Mr. J. H. Stephen, Nagpur.

Seed of Asparagus plumosus from Mr. Charles Large, Yercaud.

List of plants in flower during December, 1896 :—

Dædalacanthus nervosus
Aleurites triloba
Gmelina Hystrix
Spathodea campanulata
Gmelina asiatica
Natal compositæ
Vallaris dichotoma
Barleria cristata, B. alba, B. rosea
Jacquemontia violacea
Myroxylon toluiferum
Duranta Plumerü
Tristellatea australasica
Cordia sebestena
Sterculea urens
Meyenia Kirkü
Meyenia erecta
Plumbago rosea
,, zeylanica
Antigonon leptopus
Jatropha pandurifolia
Atalantia monophylla
Citharexylum subserratum
Bougainvillea glabra
Walsura piscidia
Kopsia fruticosa
Glycosmis pentaphylla
Guajacum Breynei
Hemicyclia sepiaria

Camphor Plants.—It is recorded in the Agricultural Bulletin No. 5 of 1896 that camphor can be extracted from the leaves of Cinnamomum camphora. At our request D. George King, superintendent of the Botanic Gardens, Calcutta very kindly supplied 35 plants for experiments in Madras. Some of these will be planted out in our Gardens and the other given to Members and correspondents interested in their culture.

A. D. Achart Esq., Superintendent, Public Gardens, Pondicherry	2	plants.
Reddy Branson, Esq., Teynampett ...	2	,,
W. M. Thorburn, Esq., Kurnool ...	2	,,
The Superintendent, Government House, Guindy	2	,,
H. B. Winterbotham, Esq., Vayitri ...	2	,,
The Superintendent, People's Park, Madras	1	,,

Rainfall.—During the month 16·08 inches fell in 9 days, as registered by the Garden Rain gauge.

Financial Statements.—Financial statements for December, and October to December, 1896, read and passed.

Election of a Committee Member in place of Mr. Edgar Thurston who is leaving Madras on furlough.

Resolved that Mr. J. L. Spoor be invited to join the committee.

A. G. BOURNE,
Honorary Secretary.

Financial Statement, October to December, 1896.

RECEIPTS.	Amount.			Amount.			EXPENSES.	Amount.			Amount.		
	Rs.	A.	P.	Rs.	A.	P.		Rs.	A.	P.	Rs.	A.	P.
Balance with Messrs. Binny & Co., on 30th September, 1896	2,197	2	9				Pay of Establishment	1,054	4	6			
Do. in hand for transmission to the Bank on 30th Sept,1896	25	2	0				Pay of Coolies	170	9	0			
Do. in hand, petty cash on 30th September 1896. ...	7	3	11				Recoverable expenses such as Rail charges, cooly. &c	117	8	6			
				2,229	8	8	Unrecoverable, such as Freight charges on ward, cases &c. ...	60	15	6			
By sale of seeds, during October, to December, 1896	430	5	3				Seeds purchased	65	5	0			
Do. plants do. ..	306	3	0				Plants do.	59	0	9			
Do. sundries do. ...	251	11	8				Flowers do.	22	14	0			
By loan of plants do. ...	2	8	0				Pots, manure, sand and red soil ...	90	3	0			
By Subscription from Members ...	413	14	0				Garden requisites such as brooms, baskets, pots, buckets.. ...	16	10	0			
By Government Grant	750	0	0				Printing and advertising ...	74	4	0			
				2,154	9	11	Books and periodicals	23	12	0			
							House, Lighting and Water tax ...	22	14	0			
							Red Hills water supply	279	0	0			
							Quit-rent	4	10	6			
							Postage on letters, proceedings and seeds	29	7	9			
							Conservatory repairs	58	0	0			
							General do.	10	0	0			
							Office repair	60	0	0			
							Museum Planting—coolies-cart, jut and coach hires	132	8	0			
							Flower Show—Printing charges ...	0	8	0			
											2,352	6	6
							Balance with Messrs. Binny & Co., on 31stDecember, 1896* ...	1,804	12	8			
							Do. in hand for transmission to the Bank on 31st December, 1896	145	1	0			
							Do. in hand, Petty cash on 31st December, 1896	81	14	7			
											2,031	12	1
Total Rupees...	.....			4,384	2	7	Total Rupees ..	.....			4,384	2	7

* Less Rs. 2-8-0 or 3-0-0 to be debited by Messrs. Binny and Co., for postage, &c.

Proceedings of a Meeting of the Committee of the Madras Agri-Horticultural Society, for January, 1897, held on Monday, the 1st February, 1897, at 7-30 a.m.

PRESENT:

COL. G. M. J. MOORE (*in the chair*).

HON. MR. R. S. JUSTICE BENSON. | J. L. SPOOR, Esq.
HON. MR. J. STURROCK.

DR. A. G. BOURNE, *Honorary Secretary.*

The following contributions were made to the Library :—

Kew Bulletin of Miscellaneous Information, Appendix III of 1896 and Appendix I of 1897.

Journal of the Royal Horticultural Society, Vol. XX, Part 2, 1896, from the Society.

Bulletin of the Department of Agriculture, Brisbane, October, 1896, No. XIV, from the Gardens.

Report on the Arboricultural Operations, N. W. Provinces and Oudh for the year ending 31st March, 1896.

Annual Report of the Department of Agriculture, Brisbane, for the year 1895-96.

Annual Report of the Economic and Art section of the Indian Museum for the year 1895-96.

The Agricultural Ledger, 1895 and 1896.—No. 22—Oxen and Buffaloes ; No. 24—Oxen ; No. 31—Carica papaya ; No. 34—Sisal Hemp ; and No. 36—Pearls and Pearl Fisheries.

Planting Opinion, January 9th, 1897, from the Editor.

Scritti intorno alle cose naturali edited by Antonis ed Augusto Napoleone Berlese from 1880 to 1895, Portici, 1896.

General seed catalogue of seeds from Mr. F. C. Heinemann Erfurt, 1897 No. 202.

Vilmorin Andrieux and Co.'s General Wholesale Seed list, 1896-97.

Tropical Agriculturist, January, 1897, from the Editors.

Madras, Department of Land Records and Agriculture :—

Paddy crop Prospectus of 1896-97; Late sowings of Gingelly 1896-97; Cotton 1896; Paddy sowings, 1896; Early Gingelly crop of 1896; Cotton crop of 1896-97; Indigo crop of 1896; and Indigo crop of 1896-97.

Bombay Department of Land Records and Agriculture :—

Sesamum crop for the season 1896-97; Late Cotton crop of Bombay for the season 1896-97; Early Cotton crop of Bombay for the season of 1896-97; and Wheat crop for the season 1896-97.

North Western Provinces and Oudh—Department of Land Records and Agriculture :—

Cotton crop for 1896; Til crop for 1896; Final Forecast of the Til crops for 1896; Indigo crop of 1896; Wheat crop for 1896-97; Rape and Linseed crops for 1896-97.

Central Provinces, Department of Land Records and Agriculture :—

Cotton crop for the season 1896; Final Report of the Cotton crop for the season 1896; Wheat crop for 1896-97; Til crop for 1896; Linseed crop for 1896-97; Til crop (2nd Report) for 1896.

Bengal Department of Land Records and Agriculture :—

Forecast of the Bhadoi crop, 1896; Final Forecast of Bhadoi crop, 1896; Winter Rice crop, 1896; Final Winter Rice crop, 1896; and Cotton crop 1896.

Statistical Bureau, Government of India, Calcutta :—

Sesamum crop of the season 1896-97; Winter Oil seeds 1896-97; Indian Cotton crop, 1896-97; Wheat crop, 1896-97; Rice crop in Bengal, Lower Burmah and Madras 1896-97; Sesamum crop, 1896; Indigo Crop 1896; Cotton crop, 1896.

Punjab, Department of Land Records and Agriculture :—

Indigo crop for 1896; Sesamum crop, 1896; Cotton crop for 1896; Final Sesamum crop, 1896.

Burma Department of Land Records and Agriculture :—

Rice crop Prospects, 1896–97, dated 11th October, 1896 and Rice Crop Prospects, 1896-97, dated 9th November, 1896.

The following contributions were made to the Gardens :—

One pound of Nalkanaad Coffee seed from Mr. F. N. Gerrard, Sidapoor, Coorg.

A packet of seed of Hibiscus elatus from the Director, Botanic Gardens, Jamaica.

One Singapore Cocoanut from Mr. Karikrishna Pillay, Madras.

Twenty-four Victoria regia seed from Mr. T. H. Storey, Superintendent, Sajjan Niwas Gardens, Oodeypore.

Guilandina seed.—Read letter from Mr. H. W. Ridley, Director, Botanic Gardens, Singapore, dated 12th January, 1897, asking for 60 lbs. of Guilandina Bonduc seed.

Inquiries are being made about the seed.

Committee Member.—Read letter from Mr J. L. Spoor, dated Nungumbakum, Madras, 20th January, 1897, accepting with pleasure the invitation of the Honorary Secretary to join the Committee.

Recorded.

Camphor plants.—Read letters from Messrs. H. B. Winterbotham of Vayitry and A. D. J. Achart of Pondicherry acknowledging with thanks the safe receipt of Camphor plants sent to them.

Recorded.

Kola seeds.—Read letter from J. W. Minchin, Esq., Honorary Secretary, Nilgiri Agri-Horticultural Society, dated January, 1897, acknowledging with thanks the receipt of Kola seed sent to him from the Society, and informing that he will distribute them when the seeds germinate.

Mr. Minchin, says that he had a Kola plant growing well in the Glenrock Estate, in Wynaad, some 13 years ago.

Recorded.

Financial Statement.—For January, 1897.

Read and passed.

Judges for Flower Show.—Resolved that the gentlemen in the Honorary Secretary's list be invited to officiate as Judges at the next Flower Show.

Auditors.—Resolved that Messrs. D. E. W. Leighton and A. G. Norton-Night, be asked to be so good as to audit the accounts of the Society for the past year.

G. M. J. MOORE,
Chairman.

A. G. BOURNE,
Honorary Secretary.

Proceedings of a Meeting of the Committee of the Agri-Horticultural Society of Madras, for the Month of February, 1897.

Circulated for perusal to the Committee Members.

The following contributions were made to the Garden Library during the month :—

Hooker's Flora of British India, part XXII from the Government of Madras, Revenue Department.

Report of work of the Agricultural Experiment Station of the University of California for the year 1894-95.

Bulletin No. 13 of the Department of Agriculture, Brisbane, January, 1896.

Experiment Station Record of the U. S. Department of Agriculture, Vol. VIII, Nos. 2 and 3, 1896.

Kew Bulletin of Miscellaneous Information No. 121, January, 1897.

Revue Agricole et Journal de la chambre d'Agriculture de L'Ile, Maurice, Janiver 1897, and November and December, 1896.

Proceedings and Journal of the Agricultural and Horticultural Society of India for October—December, 1896, from the Society.

Report on the Nagpur Experimental Farm in the Central Provinces for the year 1895-96.

Report on the Department of Land Records and Agriculture, Burma for the year, 1895-96.

Report on the Cawnpore Experimental Farm for the year, 1895-96.

Planting Opinion, January 23rd, 1897, from the Editor.

Proceedings of a meeting of the Sub-Committee of the Nilgiri Agri-Horticultural Society, 2nd February, 1897, from the Society.

Agricultural Ledger 1896. —No. 25.—Oxen ; No. 30, Sansevieria zeylanica ; No. 32—Aconitum heterophyllum ; No. 33, Reh ; No. 37 Corchorus sp., jute ; No. 38—Cinnamomum Tamala.

Thirteenth Annual Report of the Department of Land Records and Agriculture, Bombay Presidency for the year 1895-96.

Crop Experiments, Bombay Presidency for the year 1895-96.

Nutlige Indische Planten der Dr. M. Greshoff, Part 3rd Amsterdam, 1896.

Proceedings of the Madras Government No. 694, 4th December, 1896 passing orders on the lease of lands for Coffee cultivation and Nos. 701, 701A, 8th December, 1896, reviewing the report on the operations of L. Records and Agriculture, Madras, for 1895-96.

Bulletin of the Botanical Department, Jamaica Vol. III, Part 2, November, 1896.

Henry and Son's Illustrated Catalogue of Vegetable, Flower and Farm Seeds, &c., 1897.

Index Seminum in Hortis Musei Parisiensis, 1896.

Report on the Roadside Arboriculture of Central Provinces for the year, 1895-96.

Delectes Seminum in Horto Botanico Varsoviensi collectorum, 1896.

Notizblatt des Königh Botanischen Gartens und Museums zu Berlin, 20th January, 1897.

Catalogue des Graines Recueillies en 1896 et offertes en echange par le Jardin Botanique de Genève.

Catalogue des graines offertes en exchange, Jardin Botanique de Saigon, 1897.

The following contributions were made to the Gardens during the month :—

Twenty-five pounds of seed of Albizzia moluccana from the Director, Botanic Gardens, Buitenzorg, Java.

Seed of Aristolochia elegans from Mr. T. J. Ferguson, Calicut.

The following seeds from Mr. W. Gollan, Superintendent, Government Botanic Gardens, Saharanpur, N. W. P.

Thuja compacta aurea.	Cedrus Deodora.
„ orientalis.	Cryptomeria japonica.
Pinus Gerardiana.	Sporobolus orientalis.
„ excelsa.	Usar grass.

Seed of Nyassaland Coffee Seed from E. C. Duff, Esq., Coonoor.

Plants to Tenasserim.—Read letter from C. McDougal Peaché, Esq., Honorary Secretary, Tenasserim Agri-Horticultural Society, dated Moulmein, 9th December, 1896, saying that if the two Wardian Cases of Plants are sent early he will return the two cases filled with Orchids.

Two Wardian Cases containing the undermentioned Plants were forwarded to Mr. Peachó on the 10th February, through Messrs. Binny & Co. :—

Nyctacalos Thompsoni.
Aristolochia redicula.
Do elegans.
Dillenia speciosa.
Brexia madagascariensis.
Quassia amara.
Brownea coccinea.
Thysenolena acarifera.
Canella alba.
Lagerstræmia flos-reginæ.
Guajacum officinale.
Bauhinia monandra.
Do candida.
Hibiscus syriacus.
Castanospermum australe.
Livistona rotundus.
Elæis guineensis.
Petrea volubilis.
Siamese Bamboo.
Jonesia asoka.
Cordia sebestena.
Holmskioldia sanguinea.
Hibiscus collinus.
Memecylon tinctorium.
Ixora rosea.
Dædalacanthus nervosus.
Peltophorum ferrugineum.
Solanum Seafortheanum.
Bauhinia acuminata.
Gardenia florida.
Oreodoxa regia.
Spathelia simplex.
Asparagus plumosus.

Flower Show.—The Annual Exhibition of Flowers, Plants, Fruits, Vegetables and Economic Products was held at the Society's Gardens on the 27th February, 1897. The arrangements, this year, were similar to those of former years. The list of awards with the judges' remarks are as follows :—

Class I.—Flowers in Pots, exclusive of Annuals.

Judges.—The Hon'ble Mr. J. F. Price, Mr. E. B. Powell and Surgeon Lieutenant-Colonel A. J. Sturmer.

1. Best general collection of Perennials, Rs. 10—Prize Not awarded.

2. Best collection of Roses, 1st Prize, Rs. 15—People's Park.
2nd Prize, Rs. 7—H. R. Dunhill.

3. Best Verbenas, Rs. 5—L. Govindass, Esq.

4. Best Carnations, Picotees, Pinks and Dianthus, 1st Prize, Rs. 5—Mrs. A. Grant.
2nd Prize, Rs. 2—J. Campbell.

5. Best collection of Climbers (Perennial), 1st Prize, Rs. 10—People's Park.
2nd Prize, Rs. 5—Not awarded.

6. Best Geraniums and Pelargoniums, Rs. 5 — Prize Not awarded.

7. Best collection of Cannas, Rs. 5—L. Govindass, Esq.

8. Best collection of Begonias in flower, Rs. 5—Mrs. A. Grant.

9. Best Gaillardias, Rs. 3—No Exhibits.

10. Best Chrysanthemums, Rs. 5—The Hon. Mr. Justice Shephard.

11. Best Violets, Rs. 3—Prize Not awarded.

12. Best Heliotropes, Rs. 3—C. Sowden, Esq.

13. Best collection of Hibiscus, Rs. 5—W. H. Oakes, Esq.

JUDGES' REMARKS.—Owing no doubt to an adverse season, the competition under Class I, was throughout very indifferent, there being not more than two competitors for any prize, except in the case of No. 13, Hibiscus. The exhibits were, with the exception of the Begonias, on the whole, not up to the average. No Gaillardias were exhibited and no prizes were awarded for general collections of Perennials, Geraniums or Violets, there being in our opinion nothing under these heads worthy of an award. We would suggest for the consideration of the Committee, the question of discontinuing a prize for Violets. They cannot be successfully grown in Madras and we are of opinion that giving prizes for the very wretched specimens which are every year shown is throwing away money. The Roses were very indifferent so were the Verbenas. The two collections of Dianthus shown were very good. We would suggest that in future separate prizes should be offered for double and single varieties. The collection of Climbers and Cannas to which prizes were awarded were very good and that of Heliotropes was good. We have not awarded a 2nd prize for Climbers as the second collection shown did not justify our doing so. We would suggest that at future Shows some one should be attached to the Judges under Class I in order to show them where the exhibits are placed; we experienced considerable difficulty in finding some.

Class II.—Annuals grown in Pots.

JUDGES.—Messrs. J. L. Walker and J. M. Gleeson.

1. Best collection of Annuals in pots, Rs. 10—Baboo Row, Esq.

2. Best Double Balsams, 1st Prize, Rs. 5—L. G. Purushotham Moodelly, Esq.

2nd Prize, Rs. 2—A. H. LeFanu, Esq.

3 Best Portulaccas, Rs. 5—L. Govindass, Esq.

4. Best Asters, Rs. 5—Surgeon-Major-General C. Sibthorpe.

5. Best Phloxes, 1st Prize, Rs. 5—J. Campbell, Esq.

2nd Prize, Rs. 2—Rev. E. Sell.

6. Best Climbers, Rs. 5—Mrs. A. Grant.

7. Best Petunias, 1st Prize, Rs. 5—C. Sowden, Esq.

2nd Prize, Rs. 2—Rev. E. Sell.

8. Best Double Zinnias, Rs. 5—W. H. Oakes, Esq.

JUDGES' REMARKS.—The Annuals this year were poor. The Balsams, however, being a fine exhibit, four sets competing, the one carrying off the prize was really as good as any before shown in recent years. Of Portulaccas there were only two collections exhibited. Asters only two sets, the winning set not being up to former exhibits. Phloxes were of the ordinary varieties, but good; prizes awarded to both exhibitors. Climbers fair—two sets shown but confined to Convolvulus though many other kind of flowers are available for this purpose. Petunias only two small exhibits. Zinnias were fair but not on the whole better than heretofore. The lateness of the rains this season may have had much to do with the deficiency of merit observable, more or less, in all the exhibits of Annuals including the two sets of mixed Annuals, which were shown separately.

Class III.—Cut Flowers.

JUDGES.—The Hon'ble Mr. R. S. Benson and W. D. St. Leger, Esq.

1. Best Bouquet arranged by ladies, a Prize—No exhibits.

2. Best 6 Button-holes arranged by ladies, a Prize—No exhibits.

3. Best Hollyhocks, Rs. 3—Justice Boddam.

4. Best Dahlias, The Hon'ble Mr. J. Whitson, Rs. 2.

5. Best Arranged Table for 8 persons, with fruit and floral decorations, Rs. 7—No exhibit.

JUDGES' REMARKS.—The Show of Cut Flowers was very inferior. There was no competition for bouquets arranged by ladies nor for the best arranged table with floral decorations. There was only one exhibit of Button-holes and it was not of sufficient merit to justify the award of a prize. There were two exhibits of Dahlias, but neither was first-rate. We awarded a reduced prize of Rs. 2. The Show of Hollyhocks was good; the group for which the prize was awarded contained a number, of well-grown flowers with a pleasing variety of colours.

Class IV.—Ferns and Foliage Plants.

JUDGES.—The Hon'ble Mr. Justice Shephard and Mr. H. C. West, Esq., Chas. Sowden, Esq., and Hon. Dr. D. Duncan.

1. Best collection of Ferns, 1st Prize a Silver Medal or Rs. 20—People's Park.

2nd Prizes, Rs. 10.—Mr. H. R. Dunhill.

2. Best Grown Ferns, Rs. 5—J. L. Walker, Esq.

3. Best Single Specimen Fern, Rs. 3—The Hon. Mr. Justice Boddam.

4. Best collection of Foliage Plants, 1st Prize, Rs. 15—The Jaghirdar of Arni.

2nd Prize, Rs. 7—Not awarded.

5. Best collection of Caladiums, Rs.5.—Krishnasawmy Chetty, Esq.

6. Best collection of Alocasias, Rs. 5—Old College Park.

7. Best collection of Palms, Cycads, and other Palmaceous plants, Rs. 10—The Hon. Mr. Justice Boddam.

8. Best collection of Crotons, 1st Prize, Rs. 10—Old College Park.

2nd Prize, Rs. 5—Surgeon-Major-General C. Sibthorpe.

9. Best collection of Dracænas, 1st Prize, Rs. 10—H. H. The Maharajah of Vizianagram.

2nd Prize, Rs.. 5—The Hon. Mr. Justice Boddam.

10. Best Aralias and Panax, Rs. 5—H. H. The Maharajah of Vizianagram.

11. Best collection of Lycopodium and Selaginella, Rs. 5—Mrs. A. Grant.

12. Best collection of Anthuriums, Rs. 5—The Hon. Mr. Justice Boddam.

13. Best collection of Coleus, Rs. 5—Surgeon-Major-General C. Sibthorpe.

Judges' Remarks (1 to 7).—The exhibits of Ferns and foliage plants were hardly equal to those of previous years. There were two exhibits of Caladiums and had there been a second prize available, we would have awarded it, the second collection not being very much inferior to the one that obtained the Prize.

Judges' Remarks (8-13).—In Crotons the specimens exhibited are too small and under-sized, though the variety was good and individual specimens deserve notice. The Dracænas are not very striking, but some specimens are well-grown. The exhibits of Coleus contain some new varieties. In this class it is recommended that in future more attention should be bestowed on selected specimens, and that a large number of the same variety should not be crowded together.—H. C. West, Esq., Hon. Mr. Justice Shephard.

Class V.—Vegetables grown in Madras by Amateurs.

Judges.—Surgeon-Major-General C. Sibthorpe, Dr. Walter Keess, Surgeon-Captain Giffard, and Surg.-Captain Robertson.

1. Best Celery, Rs. 3—S. Baboo Row, Esq.
2. Best Beetroot, Rs. 2—The Saidapet Farm.
3. Best Turnips, Rs. 2—None awarded.
4. Best Carrots, Rs. 2—S. Baboo Row, Esq.
5. Best Onions, Rs. 2—The Saidapet Farm.
6. Best Cucumbers, Rs. 2—The Jaganantha Bagh.
7. Best Vegetable Marrows, Rs. 2—St. Patrick's Orphange.
8. Best Yams, Rs. 2—E. A. S. Nicholas, Esq.
9. Best Tomatoes, Rs. 2—R. C. C. Carr, Esq.
10. Best Asparagus, Rs. 2—E. A. S. Nicholas, Esq.
11. Best collection of Salad Plants, Rs. 4—C. Ethirajulu Naidu, Esq.
12. Best Peas, Rs. 2—J. L. Walker, Esq.
13. Best Brussels Sprouts, Rs. 2—No Exhibit.
14. Best Arrowroot, Rs. 2—The Saidapet Farm.
15. Best Tapioca, Rs. 2—E. A. S. Nicholas, Esq.
16. Best Lettuces, Rs. 2—C. Ethirajulu Naidu, Esq.
17. Best Knol-khol, Rs. 2—St. Patrick's Orphanage.
18. Best Jerusalem Artichokes, Rs. 2—Chellapa Naiker, Esq.

19. Best Chillies, Rs. 2—The Saidapet Farm.

20. Best collection of Indian Vegetables, Rs. 3—S.Baboo Row, Esq.

21. Best collection of English Vegetables, Rs. 3—S. Baboo Row, Esq.

22. Best Radishes, Rs. 2—The Saidapet Farm.

23. Best Chillies and Capsicums grown in pots, Rs. 2—Surgeon Major-General C. Sibthorpe.

24. Best Sweet Herbs grown in pots, Rs. 3—C. Sowden, Esq.

JUDGES' REMARKS.—Show generally poor. Exhibits 19, 20 and 24 very good.

Class VI.—Vegetables (grown anywhere).

OPEN ONLY TO MARKET GARDENERS.

JUDGES.—Surgeon-Lieutenant-Colonel A. M. Branfoot, J. L. Spoor, Esq., M. Hammick, Esq., and Colonel H. S. Stewart.

1. Celery, 1st Prize, Rs. 4—Paul Moonesawmy.
   2nd Prize, Rs. 2—T. M. Veeraragavalu.
2. Knol-khol, 1st Prize, Rs.—3 Parthasarathy Naidu.
   2nd Prize, Rs. 2—Mahomed Ismail.
3. Beetroot, 1st Prize, Rs. 3—Parthasarathy Naidu.
   2nd Prize, Rs. 2—Cundasawmy Naik.
4. Carrots, 1st Prize, Rs. 3—Parthasarathy Naidu.
   2nd Prize, Rs. 2—Veerasawmy.
5. Turnips, 1st Prize, Rs. 3—Parthasarathy Naidu.
   2nd Prize, Rs. 2—Venkatachellum.
6. Onions, 1st Prize, Rs. 3—Parthasarathy Naidu.
   2nd Prize, Rs. 2—C. Peters
7. Cabbages. 1st Prize, Rs. 4—M. Mootoosawmy.
   2nd Prize, Rs. 2—C. Peters.
8. Vegetable Marrows, 1st Prize, Rs. 3—Murugasa Naick.
   2nd Prize, Rs. 2—Munisawmy.
9. Cucumbers, 1st Prize, Rs. 3—P. Moonisawmy.
   2nd Prize, Rs. 2—Sadasivan.
10. French Beans, 1st Prize, Rs. 2—Parthasarathy Naidu.
    2nd Prize, Re. 1—Thumbu.
11. Kidney Beans, 1st Prize, Rs. 2—Paul Moonoosawmy.
    2nd Prize, Re. 1—Murugasen.
12. Tomatoes, 1st Prize, Rs. 3—M. Mootoosawmy.
    2nd Prize, Rs. 2—Perumal.

13. Chillies, 1st Prize, Rs. 3—Kundasawmy Naik.
    2nd Prize, Rs. 2—V. Abboy.
14. Brinjals, 1st Prize, Rs. 3—Parthasarathy Naidu.
    2nd Prize, Rs. 2—Vedaselam.
15. Bandikai, 1st Prize, Rs. 3—Vedaselam.
    2nd Prize, Rs. 2—Sadasivan.
16. Potatoes, (*a*) large, Rs. 3—T. M. Veeraragavaloo.
    Potatoes (*b*) small, Rs. 3—Paul Moonoosawmy.
17. Peas, 1st Prize, Rs. 3—Parthasarathy Naidu.
    2nd Prize, Rs. 2—Sadasivan.
18. Best collection of Salad Plants, Rs. 2—No exhibit.
19. Lettuces, 1st Prize, Rs. 2—Govindu.
    2nd Prize, Re. 1—Parthasarathy Naidu.
20. Cauliflowers, 1st Prize, Rs. 3—Parthasarathy Naidu.
    2nd Prize, Rs. 2—Paul Moonoosawmy.
21. Best collection of Edible Roots Rs. 3—The Saidapet Farm and the Sanitary Inspector 8th Division, Madras.

JUDGES' REMARKS.—General Exhibits (1 to 10) are excellent and in many cases it is difficult to discriminate between them.

Exhibits (11 to 21) on the whole good but poor in salads. The Judges could not award a prize for salad plants as there was no satisfactory exhibit. There was a good variety of potatoes, large and small, shown.

Class VII.—Fruits.

JUDGES.—The Hon. Mr. Justice Boddam, D. E. W. Leighton, Esq., G. S. Forbes, Esq.

1. Best Raspberries, Rs. 3—Balu Moonoosawmy.
2. Best Strawberries, Rs. 10—Balu Moonoosawmy.
3. Best Peaches, Rs. 9—No Prize awarded.
4. Best Apples, Rs. 8—Kistnasawmy Naidu.
5. Best Pears, Rs. 5—No exhibits.
6. Best Sweet Oranges, Rs. 3—Rungasamy.
7. Best Pumplemoses, Rs. 2—Gullappa.
8. Best Figs, Rs. 5—Rungasamy.
9. Best Grapes, Rs. 5—No Prize awarded.
10. Best Sapodillas, Rs. 3—Lunkappa.
11. Best Melons, Rs. 3—Rungasawmy Moodelly.

12. Best collection of different varieties of Plantains, Rs. 3—T. Murugasam Naiker.

13. Best Lemons, Rs. 5—B. Kristnasawmy Naidu.

14. Best Limes, Rs. 3—T. Moonoosawmy Naiker.

15. Best Guavas, Rs. 3—T. Moonoosawmy Naiker.

16. Best Citrons, Rs. 3—Gullappa.

JUDGES' REMARKS.—Probably the poorest show of fruits, that has been brought together for many years. There is nothing that calls for special commendation. The number of exhibits was noticeably small.

Class VIII.—Flowers and Vegetables.

Open only to Soldiers, Non-Commissioned and Warrant Officers, the Police and Jail Departments, and Reformatory Schools.

JUDGES.—Messrs. J. L. Spoor and P. Ellyalvar Naidu.

1. Best collection of Flowers in pots, 1st Prize, Rs. 10—City Police.

2nd Prize, Rs. 5—F. Division.

2. Best collection of Vegetables, 1st Prize, Rs. 10—City Police.

2nd Prize, Rs. 5—F. Division.

JUDGES' REMARKS.—Show poor, but considering the heavy rains, should consider good.

EXTRA PRIZE LIST.

JUDGES.—Dr. A. G. Bourne, A. D. Jackson, Esq., and Lieutenant-Surgeon S. Hollingsworth.

TEA.—We agree with the experts' report that *Glendale Tea Estate* (Exhibit No. 3) is the best and should be awarded 1st prize.

KODANAAD TEA ESTATE.—Exhibit No. 2 (2nd Prize).

GENERAL COLLECTION OF EXPORT PRODUCE.—S. Ramiah Chetty, Silver Medal,

Best collection of Green Forage. Two exhibits. That from the Saidapet Agricultural Farm is the best and is awarded the prize, Rs. 10.

SILKS.—We would suggest that as there are complaints that *China* Silks are included in the exhibits it would be well to ask the Calcutta experts to distinguish these in their report. C. I. placed

first in Messrs. Jardine, Skinner and Co.'s report, is, we think, a China Silk, and it has, we think, been exhibited on more than one occasion. We consider A. 2 superior to F. 2, having more gloss, though in other respects about the same. Prize awarded to Kanni Saw, Rs. 15.

Tussah or Wild Silks.—Exhibit 2 appears to be the only exhibit of real Tussah and we think this exhibitor's general collection superior to any of the others. Rs. 15, A. Moonisawmy.

Forest Produce No. 5.—Two exhibits. Of these No. 5 is a very good collection and deserves the prize.—T. Manicka Chetty, Rs. 10.

Fibres.—Both the exhibits very good. No. 7 shows a larger variety and also exhibits some of the plants which supply the fibres and is accordingly awarded the prize. No. 8 well deserves a prize if it is advisable. Govindarajulu Rs. 15.

Collection of Economic Plants.—Two exhibits. That from People's Park is a large display of economic plants. Well deserves a prize. People's Park, Rs. 15.

Best Collection of Medicinal Plants.—Three exhibits. The exhibit No. 11, in pots from the People's Park is a very good one including a large number of plants of medicinal value and deserves the Silver Medal offered by the Cossipore Practical Institute of Horticulture. No. 19 is awarded the prize of Rs. 10 as the best collection. C. T. Moonisawmy Moodelly.

Collection of Dyes and Tanning materials,—Rs. 10.—Both are of considerable merit, and I would suggest dividing the prize, awarding Rs. 5 to each. Saidapet Farm and to Kamruddin and Co.

Collection of Paddy Rs. 10—Prize divided between C. T. Moonisawmy Moodelly and T. Manicka Chetty.

NEW MART.—TEA REPORT.

Messrs. Jardine, Skinner & Co.,

Calcutta, 22*nd January*, 1897.

Dear Sirs,

We beg to hand you our report and valuations on the following samples of Tea from Agricultural and Horticultural Society, Madras.

Yours obedient servants,

J. THO. MART,

Brokers.

Marks & Nos.	Ex..... Valuation per lb.				Description.
	s.	*d.*	*s.*	*d.*	
1	1	1	1	2	Bold Broken Pekoe, mixed with ends, rather full some flavour.
2	1	4	...		Good tippy Pekoe leaf, full brisk liquor, fair flavour.
3	1	10	...		Good Orange Pekoe, fresh brisk liquor, rather light.
4	1	0	...		Good tippy Pekoe, Souchong leaf, pale brisk liquor.
5		*Nom.*			Dull dark unassorted, thin common liquor.

Samples 1/4, are well made and tippy in appearance and the liquor have a certain amount of briskness and flavour. The infused leaf is fairly bright but not coppery enough in colour.

Sample 5, is very undesirable and being practically out of condition it is impossible to put a valuation on it.

Names of Exhibitors of Tea, 1897.

1. Woodcote Estate, Coonoor.
2. Kodanaad Estate, Kotagiri, Nilgiris.

3 & 4 Glendale Estate, Coonoor.
5 Avenue, Estate.

Silk Report.

CALCUTTA, 15*th January*, 1897.

Messrs. JARDINE, SKINNER & Co.

DEAR SIRS,

We have examined the samples of Silk sent us, and should place them in the following order :—

C. (1) A hank of fine white silk, of very good quality fine and even size.

F. (2) A skein of greenish white good quality and size, rather knibby.

A. (2) About the same, but barely so clean.

B. (2) A hank of greenish white silk fairlygood quality, good size, tolerably clean.

D. (2) Rather glossier than the preceding but wanting in cleanliness.

C. (2) Coarser in size than the above, and wanting in quality.

D. (1) A hank of silk much resembling Mooga, good quality and even in size.

R. (1) Much the same, but the thread is not so round.

B. (1) A grade below the preceding.
F. (1) Not so even in size.
E. (1) Wanting in gloss.
E. 2 A hank of tussah silk, a well-rounded thread but wanting in gloss.

The samples are returned herewith, Fee Rs. 32.

Yours faithfully,

HODSON AND TAYLOR.

List of Exhibitors of Silk and Tussah Silk, 1897.

A. 1. A. Moonee Saw.	D. 1. V. Moonoosamy Saw.
A. 2. Do.	D. 2. Do.
B. 1. A. M. Chinnasamy Saw.	E. 1. Kanni Saw.
B. 2. Do.	E. 2. Do.
C. 1. Ragul Saw.	F. 1. A. K. Nana Saw.
C. 2. Do.	F. 2. Do.

The special thanks of the society and the public are due to those Gentlemen who by the largeness of their exhibits contributed so much to the success of the show.

The Society are also much indebted to His Excellency the Governor for the services of his Band who played at the gardens until 1 p. m. and for his tents, tables, carpets, &c., also to the Commissioner of Police, for the services of Constables, Sub-Inspectors and Inspectors; to the President, Municipal Commission, for watering the Mount Road; to the Commissioner of U. C. S. Examination; to Messrs. Deschamps & Co., to the Principal, Agricultural College, Saidapett and the Principal, of the Teachers' College, Saidapett for the use of their tables, benches, chairs and other necessaries.

Annual Meeting.—Resolved that the Annual General Meeting of the Members of the Society be held on Monday, the 29th March, 1897.

Financial Statement for February, 1897.

Read and passed.

A. G. BOURNE,
Honorary Secretary.

Proceedings of a Meeting of the Members of the Committee Meeting of the Madras Agri-Horticultural Society, for March, 1897.

Circulated for perusal to the Members of the Committee.

The following contributions were made to the Gardens :—

Records of the Geological Survey of India, Vol. XXX, part 1, from the Government of India.

Revue Agricole et journal de la Chambre D'Agriculture de L'Ile Maurice, No. 2, Ferrier, 1897.

Bulletins of the University of California, Nos. 111, 113, 114 and 115 from Mr. E. W. Hilgard, Director of the Agricultural Experiment Station, Berkeley.

Memoirs of the Geological Survey of India, Vols. XXV and XXVI from the Government of India.

Records of the Botanical Survey of India, Vol. I, No. 8 from the Government of India.

List of Seeds collected during 1896 in the Royal Botanic Gardens, Edinburgh, from the Gardens.

Experiment Station Record Vol. VIII No. 4, from the Director, U. S. Department of Agriculture.

Agricultural Ledgers of 1896.—No. 23, Ploughs; No. 35, Acacia catechu; No. 39, Euryale ferox; No. 40, Perilla ocimoides; and 41, Clinogyne dichotoma.

Proceedings of the Nilgiri Agri-Horticultural Society held on the 9th March, 1897, from the Society.

Adamson's Seed and Bulb Manual for 1897.

Tropische Landwirtschaft der Tropenflanzer, Berlin, January, 1897 and February, 1897.

The following contributions were made to the Gardens :—

Seed of hybrid variety of Begonia and Hybrid Hibiscus seed from Revd. Benziger, Kandy.

Seed of Sacoglottis amazonica, from the Director, Botanic Gardens, Trinidad, W. I.

Livistona chinensis seed from the Superintendent, State Gardens, Baroda.

Zanzibar correspondent.—Read letter from Mr. R. N. Lyne, Director of Agriculture, Zanzibar, dated 13th February, 1897, acknowledging the receipt of the Society's Proceedings for 1896, and Annual Report for 1895, and tenders his cordial thanks to the Committee Members. Mr. Lyne, hopes to be able in course of time to render return services as regards Zanzibar Seeds, &c.

Recorded.

Plants to Moulmein.—Read letter from Mr. C. McPeaché, Honorary Secretary, Tenasserim, Agri-Horticultural Society, dated 4th March, 1897, acknowledging with thanks the receipt of the 2 Wardian Cases of plants forwarded from our gardens, and promising to return the two cases filled with Orchids in a few days.

Read also letter from Mr. C. McPeaché, dated 17th March, 1897, advising the despatch of the two cases filled with the undermentioned Orchids :—

6	Dendrobium Dalhousianum	12	Dendrobium Fytcheianum
6	„ formosum giganteum	6	„ cretaceum
6	„ thyrsiflorum	6	„ luteolum
6	„ tortile roseum	3	„ Findlayanum
6	„ draconis	6	„ aureum
6	„ scabrilingue	6	Vanda gigantea
2	„ chrysotoxum	6	„ densiflora
6	„ Farmeri	6	Saccolabium Blumei majus
6	„ Pierardi	6	„ cuniefolium
6	„ aggregatum	6	Ærides roseum
6	„ crassinode	6	„ crassifolium
6	„ Bensoniæ	6	Cypripedium concolor
6	„ albo sanguineum	6	Thunia Bensoniæ
6	„ infundibulum	6	„ pulchra
6	„ Devonianum	6	Bulbophyllum siamense

Financial Statement for March, 1897, and January to March, 1897, read and passed.

Chairman.—Proposed by Hon'ble Mr. J. Sturrock, and seconded by Mr. C. Michie Smith that Colonel Moore be elected as Chairman of the Committee.

A. G. BOURNE,
Honorary Secretary.

Financial Statement January to March, 1897.

RECEIPTS.	Amount.	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs. Binny & Co., on 31st December, 1896 ..	1,802 5 2		As per statement appended ...	.....	3,433 3 3
Do. in hand for transmission to the Bank on 31st December, 1896	145 1 0		Balance with Messrs. Binny & Co., on 31st March, 1897	1,914 10 10	
Do. in hand petty cash on 31st December, 1896	81 14 5		Do. in hand for transmission to the Bank on 31st March, 1897.	14 5 6	
		2,029 4 7	Do. in hand, petty cash on 31st March, 1897 ...	25 0 3	
					1,954 0 7
By sale of seeds during January to March, 1897	121 14 3				
Do. plants do ...	264 1 0				
Do. sundries do ...	260 4 0				
By loan of plants do ...	30 14 0				
By planting the museum compound ... do ...	645 12 0				
By sale of admission tickets at the Flower Show do ...	823 6 0				
By subscription from Members ... ... do ...	461 12 0				
By Government Grant do ...	750 0 0				
		3,357 15 3			
Total Rupees...	.....	5,387 3 10	Total Rupees...	.....	5,387 3 10

Agri-Horticultural Society, Madras, *3rd April*, 1897.

A. G. BOURNE, *Honorary Secretary.*

PARTICULARS OF EXPENSES, JAN. to MAR., 1897.

	RS.	A.	P.
Pay of Establishment	1,060	4	9
,, Coolies	190	8	0
Seeds purchased	59	3	9
Plants ,, ...	3	8	8
Flowers ,, ...	21	12	0
Pots and Manure...	85	0	0
Garden requisites...	50	4	9
New roof to the large conservatory	81	15	0
Red Hills water supply October to December, 1896	70	7	8
Books and periodicals	23	4	0
Printing and Advertising	38	0	0
Planting Museum Compound (Instalment) .	105	3	0
Postage on letters, seeds, proceedings, &c. ...	20	8	3
Petty expenses, recoverable	189	7	9
Do. unrecoverable	62	9	6
Office and petty repairs	56	4	0

		RS.	A.	P.			
Flower Show.	Prizes awarded ...	566	0	0			
	Medals	159	2	0			
	Valuation of tea and silk	48	0	0			
	Refreshments to Judges, Police, Band, &c. ...	80	0	0			
	Lemonade, Beer, Brandy, Whisky, &c.	56	14	2			
	Printing and advertising	92	9	0			
	Conveyance of tables, tents, carpets, chairs, sundries, &c. ...	214	8	0			
	Presents given to the gardeners and tents men	50	0	0			
	Erecting Pandal at the gate, barrier and lifting up of the tents ...	47	13	0			
					1,314	14	2
	Total Rupees...				3,433	3	3

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Annual General Meeting of the Agri-Horticultural Society of Madras, held on Monday, the 29th March, 1897.

PRESENT :

COLONEL G. M. J. MOORE, C.I.E. (*Chairman*).

SURG.-MAJOR-GENL. SIBTHORPE.	H. C. WEST, ESQ.
THE HON. MR. J. STURROCK.	E. B. POWELL, ESQ.
C. MICHIE SMITH, ESQ.	THE HON. DR. D. DUNCAN.
THE HON. MR. JUSTICE R. S. BENSON.	Dr. A. G. BOURNE (*Honorary Secretary*).

It was proposed by MR. STURROCK, seconded by SURGEON-GENERAL C. SIBTHORPE, and carried unanimously that COLONEL MOORE do take the chair.

The Honorary Secretary at the request of the Chairman read the following report for 1896 :—

The Monthly Rain Report of Madras for 1896.

MONTH.	DATE ON WHICH RAIN FELL.		INCHES. CENTS.
January ...	*Nil.*	...	*Nil.*
February ...	,,	...	,,
March ...	,,	...	,,
April ...	,,	...	,,
May ...	,,	...	,,
June ...	15th, 22nd, 25th, 28th—30th	...	1·49
July ...	4th, 6th, 18th—20th, 22nd & 30th	...	2·05
August ...	1st—3rd	·61...	6·11
,, ...	5th—15th	3·55...	
,, ...	22nd—27th	1·95...	
September ...	2nd, 4th, 7th, 10th—12th, 15th, 16th, 22nd	2·22...	5·97
,, ...	27th—30th	3·75...	
October ...	1st, 17th, 18th, 25th—27th, 29th, 31st		2·97
November ...	2nd	·24...	32·75
	11th—15th	5·42...	
	17th—29th	27·09...	
December ...	5th—11th	14·46...	17·21
,, ...	16th—19th	2·70...	
,, ...	22nd & 23rd	0·5...	
	Total No. of Rainy days 61...		68·55

Water Supply.—The Red-Hills water supplied to both gardens during the year amounted to 3,789,600 gallons, as follows :—

West Gardens—January	154,400		
February	281,500		
March	208,400		
April	519,900		
May	527,700		
June	387,300		
July	349,900		
August	375,900		
September	314,200		
October	356,800		
November	24,800		
December	160,200	3,661,000	
East or Nursery—September ... ... gardens.	36,100		
October	71,400		
November	700		
December	20,400	128,600	
Grand Total...	...	3,789,600	

3,661,000 gallons to the West Gardens at a cost of Rs. 406-12-5 and 128,600 gallons to the East or Nursery Gardens from the time when the meter was put down in September at a cost of Rs. 14-4-7. In all Rs. 421-1-0.

Proceedings of Government.—During the year the Proceedings of Government on Agricultural and kindred subjects of interest to the Society have been regularly communicated and filed and the receipt of each paper duly recorded in the Monthly Proceedings of the Committee.

Government Grant.—The Monthly allowance of Rs. 250, the extra grant of Rs. 500, and the special grant of Rs. 500, for Flower Show, have been received. A budget Estimate for 1897-98 was submitted on the 17th September, 1896, and the usual amount of Rs. 4,000 was sanctioned by the Government (*vide* G. O. No. 611 Financial, dated 21st September, 1896). The Committee desires to record its thanks to the Government for their liberal assistance.

Income and Expenditure.—The income of the Society in 1896 from all sources amounted to Rs. 10,637-4-8 and the expenditure Rs. 10,913.* Details will be found in the statements attached to this report.

Flower Show.—The Annual Flower Show held on the 29th February, 1896, was dealt with in the Monthly Proceedings for January to March, 1896, (p. 4, *ante*). The receipt at the gates amounted to Rs. 860-2-0. The following table shows the receipt from the rate of admission tickets in the last 7 years :—

	1st Class.			2nd Class.			3rd Class.			Total.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
1890	434	0	0	217	0	0	114	4	0	765	4	0
1891	369	0	0	214	8	0	121	0	0	704	8	0
1892	No Flower Show											
1893	392	0	0	188	12	0	90	0	0	670	12	0
1894	453	0	0	252	4	0	133	10	0	838	14	0
1895	505	0	0	263	8	0	155	6	0	923	14	0
1896	486	0	0	212	8	0	161	10	0	860	2	0

Planting of the Museum Ground.—In September last the Society undertook the planting out of the Museum grounds at the request of the Consulting Architect to the Government of Madras in his letter dated 28th September, 1896.

An endeavour has been made to introduce there such a variety of trees as to give the grounds a botanical interest.

Agency.—Enquiries were made during 1896 for various economic plants and the undermentioned were procured and supplied.

Elettaria cardamomum
Cytisus proliferus
Rhea roots (Boehmeria nivea)
Pithecolobium polycephalum seed
Erythrina lithosperma
Cloves (Caryophyllus aromaticus)
Myristica moschata (Nutmeg)
Cedrela Toona
Trachycarpus excelsus
Coroupita guineensis (Cannon ball tree)
Coffea liberica seed

* This includes some monies paid for 1895.

Gardeners.— During the year fifteen gardeners were engaged for gardens in the neighbourhood.

Seeds and plants distributed to Botanic Gardens and elsewhere.

Corypha umbraculifera (Talipot Palm)	900	seeds.
Victoria Regia	18	„
Kola seed (Cola acuminata)	13	„
Blue gum (Eucalyptus globulus) seed to Buitenzorg	4	oz. seed.
Inga dulcis seed to Peradeniya	5	lb. „
Erythroxylon Coca seed to Royal Gardens, Calcutta	12	oz. „
Cytisus proliferus seed to Coonoor	2	„ „
Albizzia moluccana (coffee shade) seed to Mombassa	1	lb. „
Swietenia macrophylla seed	114	oz. „
Sterculia alata seed	16	„ „
Swietenia mahogani seed	30	„ „
Best variety of Egyptian cotton seed	9	lb. „
Tree and shrub seeds	533	packets.
Camphor plants (Cinnamomum camphora) ...	10	plants.
Other plants sent in wardian cases and otherwise ...	182	„

Seeds and plants given to Members.

Kola (Cola acuminata)	3	plants
Cinnamomum camphora plants	4	„
Victoria regia	2	„
Hibiscus plants	124	„
Bamboo plants	13	„
Palms	186	„
Fruit trees	177	„
Other plants	1267	„
Sapodilla plums (Achras sapota)	167	fruits
Flower seeds	824	packets
Vegetable seeds	1264	„
English and Bangalore Peas	58	lb.

Plants, seeds, &c., sold.

Plants—

Casuarina seedlings	plants.	1020
Mango grafts	„	87
Sapodilla grafts (Achras sapota) ...	„	5
Nutmeg (Myristica moschata) ...	„	29

Cloves (Caryophyllus aromaticus) ...	plants.	11
Crotons	„	339
Rhea roots (Boehmeria nivea) ...	„	100
Cardamum roots (Elettaria cardamomum)	„	350
Other plants	„	2624

Seeds—

Lucerne seed	36 lb. 0 oz.
Sorghum saccharatum	30 lb. 0 oz.
Rheana luxurians seed	3 lb. 0 oz.
Castor oil seed, large variety ...	12 lb. 0 oz.
Albizzia moluccana (coffee shade) seed	3 lb. 14 oz.
Liberian coffee seed	25 lb. 8 oz.
Divi-Divi (Cæsalpinia coriaria) seed ...	1 lb. 8 oz.
Hurrialee grass (Cynodon Dactylon) seed	9 lb. 0 oz.
Rain tree (Pithecolobium Saman) seed	1 lb. 0 oz.
Erythrina lithosperma	0 4 oz.
Bread fruit (Artocarpus incisus) seed...	80 seeds.
Grevillea robusta seed, Silky oak ...	6 lb. ½ oz.
Casuarina equisetifolia seed ...	18 lb. 0 oz.
Inga dulcis (Korkapillay seed) ...	233 lb. 0 oz.
Vegetable seeds	1323 packets.
Flower seeds do.	1001 „
Tins of flower seeds (special selection containing 18 choice kinds) ...	6 tins.

Sundries—

Wreaths, bouquets, crosses and baskets of flowers	622
Pots sold	480 pots.
Plants lent for decoration	1,200 plants.
Botanical specimens supplied to the value of Rs.	35 2 3
Mango fruits, oranges, labels, leaf mould, firewood, knives &c., sold to the value of Rs.	51 14 3

Donations and contributions, &c.—The books, seeds, plants, &c., presented to the Society have as usual been very numerous, and will be found particularised and duly acknowledged with thanks in the monthly proceedings of the Committee.

Acknowledgments.—The Committee have great pleasure in recording their thanks to Messrs. J. T. Ferguson, W. Gollan, H. Thorn, Hon. Mr. A. T. Arundel, The Agrostologist, U. S. Department of Agriculture, Washington, and the Collectors of Ganjam, Vizagapatam, Godavery, Krishna, Nellore, Cuddapah, Kurnool, Bellary, Anantapoor, North and South Arcot, Salem, Coimbatore, Trichinopoly, Tanjore, Madura, S. Canara, Chingleput and Tinnevelly for communications made to the Society during the year.

Exchange of publications.—Copies of our proceedings were sent to the Government of India, and to Kew, and to the principal Botanic Gardens at home, in India, and the Colonies, to each of our correspondents and to all members of the Society.

Plants added to the gardens.—The undermentioned is a list of the plants added to the gardens, during 1896 :—

Vitis quinquefolia	...	from W. Gollan, Esq.,Supt. Govt. Botanic Gardens, Saharanpur.
Do himalayensis	...	do do
Plumeria sp. (Red flowered)	...	from Charles Gray,Esq.,Coonoor.
Erythrina umbrosa	...	from Messrs. William Brothers Heneratagoda, Ceylon.
Do lithosperma	...	do do
Aristolochia gigas var. Strutwantii	...	from H. Thorn, Esq., Supdt. Raj. Gardens, Durbungah.
Cannas 2 varieties	...	do do
Ærides Lindleyana	...	from Revd. Jenson, Madras.
Crinum sp.	...	do do
Coroupita guineensis	...	from D. A. Ince, Esq., Madras.
Albizzia pruinosa	...	from (late) Baron Ferd. Von. Mueller.
Perennial Cabbage	...	Govt. Botanist, Melbourne.
Doryanthes Palmerü	...	do do
Eucalyptus citriodora	...	from M. Ridley, Esq., Lucknow.
Canarium commune	...	from the Director, Royal Botanic Gardens, Peradeniya.
Brexia madagascariensis	...	do do
Garcinia cambogiana	...	do do
Martinezia caryotæfolia	...	do do

Modecca palmata	...	from the Director, Royal Botanic Gardens, Paradeniya.
Clerodendron nutans	...	do do
Hedychium nutans	...	do do
Phœnix zeylanica	...	do do
Caryota urens	...	do do
Chrysolidocarpus lutescens	...	do do
Oreodoxa oleracea	...	do do
Pinanga patula	...	do do
Livistona rotundifolia	...	do do
Do oliviforme	...	do do
Nephelium longanum	...	do do
Elettaria cardamomum	...	from Edward Morgan, Esq., Dindigul.
Sapindus saponaria	...	from the Director, Botanic Gardens, Grenada.
Pithecolobium polycephalum	...	do do
Hevea braziliensis	...	from T. J. Ferguson, Esq., Calicut.
Ground orchid (Annamaly)	...	do do
Castanospermum australe	...	from Govt. House, Guindy.
Myristica moschata	...	from G. Anderson, Esq., Quilon.
Caryophyllus aromaticus	...	do do
Desmodium tortuosum	...	from F. Lawson, Esq., U. S. Dept. of Agriculture, Washington.
Palm sp. Corypha	...	from Prof. Cornu, Paris.
Wallichia disticha	...	from Dr. George King, Supdt. Royal Botanic Gardens, Calcutta.
Cinnamomum camphora	...	do do
Polymnia grandis	...	from J. Cameron, Esq., Lal. Bagh Bangalore.
Verbesina gigantea (?)	...	do do
Hymenæa courbaril	...	do do
Phajus Wallichi	...	from P. Lancaster, Esq., Secretary, A. H. Society of India.
Aristolochia gigas	...	do do
Do labiata	...	do do
Do ornithocephala	...	do do
Cannas, ten varieties	...	do do
Crotons, Ferns, and other foliage plants	...	from Rao Bahadoor A. Thanakoty Moodellyar.

Clematis gouriana	...	from Bangalore—purchased and added.
Acrocarpus fraxinifolius	...	do do

Library.—The following books and periodicals have been added to the Library during 1896 :—

1. Supplied gratuitously.

Kew Bulletin of Miscellaneous Information for 1896.

Tropical Agriculturist for 1896.

Indian Forester for 1896.

Agricultural Ledger for 1895-96.

Bulletin of the Department of Land Records and Agriculture, Madras.

Do do Bengal

Do do N. W. P. & Oudh.

Statistical Atlas of India, 1896.

Hooker's Flora of British India, Part 2, Vol. VII, completion of Grasses.

Index to the Dictionary of the Economic Products of India, 1896.

Lindley's Vegetable Kingdom, 3rd Edition.

Agricultural Bulletin, Malay Peninsula.

Experimental Station Record, U. S. America.

Memoirs of the Geological Survey of India.

Records of do do

Bulletin of the Brisbane Botanic Gardens, for 1895-96.

Do Jamaica Botanic Gardens do

Do Trinidad Botanic Gardens. do

2. Acquired by Purchase.

Botanical Magazine for 1896.

Gardeners' Chronicle for 1896.

Indian Agriculturist for 1896.

Hooker's Icones Plantarum, parts, 1, 2 & 3 of Vol. V.

Botanical Magazine by Curtis, Vols. 50, 51 & 54.

Physiology of Plants by Darwin and Acton, 1894.

J. Dorfler's Botaniker-Addressbuch, 1896.

Sorauer's Physiology of Plants.

President and Patron.—His Excellency Sir Arthur Havelock was elected the President and Patron of the Society in March last.

Committee Members.—During the year Messrs. E. B. Powell and W. H. Oakes resigned their seats on the Committee and their places were filled up by Mr. M. Hammick and the Hon'ble Mr. Justice R. S. Benson.

Colonel G. M. J. Moore and Dr. A. G. Bourne continued to hold the office of Chairman and Hononary Secretary respectively throughout the year.

Ex-Officio Member.—Mr. J. H. Le. Fanu was elected an Ex-officio member of the Committee in the place of Mr. H. M. Winterbotham who left India for England on furlough.

Subscribing Members.—During the year 17 Members joined the Society, 10 members resigned, 2 were absent and 2 died. The total number of members at the end of 1895 was 78 (55 A and 23 B) and at the end of 1896; 79 (56 A Class was and 23 B Class.)

Exchange of Seeds and Plants.—During the year seeds and plants were received from :—

Adelaide	...	Maurice Holtze, Esq., F. L. S., Director Botanic Gardens.
Bangalore	...	John Cameron, Esq., F. L. S., Superintendent, Mysore Government Gardens, Lal Bagh.
Ceylon	...	Messrs. William Brothers, Heneratagoda.
Do.	...	Revd. A. Benziger, Kandy.
Do.	...	The Director, Botanic Gardens, Peradeniya.
Calcutta	...	P. Lancaster, Esq., Secretary, Agri-Horticultural Society of India.
Do.	...	Dr. G. King, M. B., &c., Superintendent, Royal Botanic Gardens.
Coonoor	...	Charles Gray, Esq.
Calicut	...	T. J. Ferguson, Esq.
Durbungah	...	H. Thorn, Esq., Superintendent, Maharajah's Gardens.
Dindigul	...	Edward Morgan, Esq.
Egypt	...	Maurice Wolfe, Esq., Mansourah.

Grenada	...	W. E. Broadway, Esq., Curator, Botanic Gardens.
Jamaica	...	William Fawcett, Esq., Superintendent, Public Gardens.
Java	...	The Director, Botanic Gardens, Buitenzorg.
Kew	...	W. T. Thiselton Dyer, Esq., F.L.S., &c., Director, Royal Gardens.
Kurnool	...	W. M. Thorburn, Esq.
Lucknow	...	M. Ridley, Esq., Superintendent, Horticultural Gardens.
Madras	..	Major H. L. Hutchins.
Do.	...	The Hon'ble Mr. Justice Davis, Egmore.
Do.	...	Revd. Jenson, Vepery.
Do.	...	Rao Bahadoor A. Thanakoty Moodellyar.
Do.	...	D. A. Ince, Esq., Vepery.
Do.	...	W. V. Hudleston, Esq.
Melbourne	...	(Late) Baron Ferd, Von. Mueller, K. C. M. G., Government Botanist.
Mysore	...	F. N. Gerrard, Esq., Sidapoor.
Natal	...	J. Medley Wood, Esq., Curator, Botanic Gardens.
Nagpur	...	J. H. Stephen, Esq., Superintendent, Government Gardens.
Oodeypore	...	T. H. Storey, Esq., Superintendent, Maharana's Gardens.
Ootacamund	...	R. L. Proudlock, Esq., Superintendent, Government Gardens.
Do.	...	(Late) Rhodes Morgan, Esq., Forest Officer.
Poona	...	H. M. Page, Esq., College of Science.
Paris	...	Professor Maxime Cornu, Director, Museum and Gardens.
Peermaad	...	Mrs. Munro.
Rockampton	...	J. S. Edgar, Esq., Superintendent, Botanic Gardens.
Saharanpur	...	W. Gollan, Esq., Superintendent, Botanic Gardens.
Trinidad	...	J. H. Hart, Esq., Superintendent, Royal Botanic Gardens.
Travancore	...	George Anderson, Esq., Quilon.
Washington	...	The Director, Department of Agriculture.
Yercaud	...	Charles Large, Esq.

Seeds and Plants forwarded during the year to:—

Allahabad	...	J. Phillips, Esq., Superintendent, Government Gardens.
Adelaide	...	Maurice Holtze, Esq., F. L. S., Director, Botanic Gardens.
Bangalore	...	John Cameron, Esq., Superintendent, Mysore Government Gardens.
Bombay	...	J. Krumbiegel, Esq., Superintendent, Victoria Gardens.
Bobbili	...	His Highness the Rajah of, KT., C. I. E.
Berlin	...	The Director, Royal Botanic Gardens.
British Honduras	...	J. Mc Nair, Esq., Superintendent, Botanic Gardens.
Burmah	...	J. S. Noble, Esq., Superintendent, Government Gardens, Rangoon.
Calcutta	...	The Honorary Secretary, Cossipore Horticultural Gardens.
Do.	...	P. Lancaster, Esq., Secretary, Agri-Horticultural Society of India.
Do.	...	Dr. George King, M. B. &c., Superintendent, Royal Botanic Gardens.
Coonoor	...	E. C. Duff, Esq., Manager, Planting Opinion.
Do.	...	Rhodes James, Esq.
Cambridge	...	R. J. Lynch, Esq., Director Botanic Gardens.
Calicut	...	T. J. Ferguson, Esq.
Coorg	...	W. Wright, Esq., Mercara.
Cawnpore	...	The Director of Agriculture.
Cuddalore	...	S. T. Rungasawmy Mudellyar, Esq.
Dublin	...	F. W. Burbidge, Esq., Curator, Royal Botanic Gardens.
Durbungah	...	H. Thorn, Esq., Superintendent, Maharaja's Gardens.
Dindigul	...	Edward Morgan, Esq.
Ellore	...	Dasu Sriramulu Pantulu Garoo, Esq.
Edinburgh	...	Robert Lindsay, Esq., Curator, Royal Botanic Gardens.
Egypt	..	Maurice Wolfe, Esq., Mansourah.
Grenada	...	W. E. Broadway, Esq., Curator, Botanic Gardens.
George Town	...	G. S. Jenman, Esq., Director, Botanic Gardens, British Guiana.
Hobart Town	...	F. Abbot, Esq., Superintendent, Botanic Gardens.

Jamaica	...	William Fawcett, Esq., Superintendent, Public Gardens.
Java	...	The Director, Botanic Gardens, Buitenzorg.
Karachi	...	W. Strachan, Esq., Superintendent, Municipal Gardens.
Kew	...	W. T. Thiselton Dyer, Esq., F. L. S., &c., Director, Royal Gardens.
Kurnool	...	W. M. Thorburn, Esq.
Kattywar	...	J. Beck, Esq., Superintendent, State Gardens, Morvi.
Lahore	...	H. G. Hein, Esq., Superintendent, Government Gardens.
Lucknow	...	M. Ridley, Esq., Superintendent, Horticultural Gardens.
Madras	...	Dr. W. Keess, M. A., Saidapet.
Do.	...	C. W. Conington, Esq., Nungumbakum.
Do.	..	Government House, Guindy.
Do.	...	W. Hamilton Holmes, Esq.
Do.	...	J. L. Walker, Esq., Egmore.
Do.	...	Reddy Branson, Esq., Teynampett.
Melbourne	...	(Late) Baron Ferd, Von. Mueller, K. C. M. G., Government Botanist.
Mombasa	...	Messrs. Smith Mackenzie & Co.
Moulmein	...	The Honorary Secretary, Agri-Horticultural Society of Tenasserim.
Mysore	...	L. E. Kerwan, Esq., Santaweri, Birur.
Do.	...	The Manager, Gooboor Estate, Koppa.
Natal	...	J. Medley Wood, Esq., Curator, Botanic Gardens, Durban.
Nagpur	...	J. H. Stephen, Esq., Superintendent, Government Gardens.
Oodeypore	...	T. H. Storey, Esq., Superintendent, Maharana's Gardens.
Ootacamund	...	R. L. Proudlock, Esq., Superintendent, Government Botanic Gardens.
Do.	...	J. W. Minchin, Esq., Honorary Secretary, Nilgiri Agri-Horticultural Society.
Oxford	...	W. Baker, Esq., Superintendent Botanic Gardens
Naples	...	Messrs. Damman & Co.
Nellicoopum	...	F. M. G. Gill, Esq.
Nilgiris	...	E. Grenville, G. Langton, Esq., Kallakambay.
Poona	...	G. M. Woodrow, Esq., College of Science.

Pondicherry	...	The Curator, Public Gardens.
Do.	..	S. T. Krishnamacharya, Esq.
Paris	...	Professor Maxime Cornu, Director, Museums and Gardens.
Pamplemouses	...	William Scott, Esq., Director, Botanic Gardens.
Parlakemedy	...	The Rajah of.
Peermaad	...	Mrs. Munro.
Rockhampton	...	J. S. Edgar, Esq., Superintendent, Botanic Gardens.
Ramnaad	...	Rajah Sethupathi of Ramnaad.
Sandoor	...	His Highness the Rajah of Sandoor.
Saigon	...	Dr. Reginer, Director, Botanic Gardens.
Sydney	...	Charles Moore, Esq., F. L. S., Director, Botanic Gardens.
Singapore	...	H. W. Ridley, Esq., Director, Botanic Gardens and Forest Department.
Saharanpore	...	W. Gollan, Esq., Superintendent, Government Botanic Gardens.
St. Petersburgh	...	The Director, Imperial Botanic Gardens.
Trinidad	...	J. H. Hart, Esq., Superintendent, Royal Botanic Gardens.
Trevandrum	...	F. J. Ingleby, Esq., Supt., Public Gardens.
Do.	...	H. H. The Maharajah of Travancore, G.C.I.E.
Venkatagherry	...	Rajah V. Muddukrishna Yachandra Bahadoor.
Vizagapatam	...	Sri Rajah Sahib G. N. Gajputhee Row, C.S.I.
Wynaad	..	George Romilly, Esq., Vayitri.
Do.	...	H. B. Winterbotham, Esq, Vayitri.
Zanzibar	...	Dr. A. H. Spurrier.

FINANCIAL STATEMENT FOR 1896.

Receipts.

	RS.	A.	P.	RS.	A.	P.
Balance with Messrs. Binny & Co., on 31st December, 1895	2,128	8	6			
Balance in hand for transmission to the Bank on 31st December, 1895.	160	5	0			
Balance in hand as per petty cash book on 31st December, 1895 ...	16	2	5			
				2,304	15	11
By sale of Seeds	1,339	2	3			
„ Plants	1,632	10	0			
„ Sundries	777	8	5			
„ Admission Tickets at Flower Show ...	860	2	0			
By Loan of Plants	185	0	0			
By Subscription from Members ...	1,841	14	0			
By Government Monthly Grant ...	3,000	0	0			
„ Extra Grants ...	1,000	0	0			
				10,637	4	8
Total Rupees...				12,942	4	7

Expenditure.

	RS.	A.	P.	RS.	A.	P.
Expenses as per statement annexed ...	...	...	...	10,913	0	0
Balance with Messrs. Binny & Co., on 31st December, 1896	1,802	5	2			
Balance in hand for transmission to the Bank on 31st December, 1896 ...	145	1	0			
Balance in hand petty cash book on 31st December, 1896	81	14	5			
				2,029	4	7
Total Rupees ..				12,942	4	7

Examined, found correct,

D. E. W. LEIGHTON.

A. G. NORTON-NIGHT.

Auditors.

PARTICULARS OF EXPENSES, 1896.

	Rs.	A.	P.	Rs.	A.	P.
Fixed Establishment				4,173	12	7
Coolies				773	12	0
Petty expenses such as rail charges, packing, &c., recoverable				513	4	0
„ Freight charges on Wardian cases to Botanical Gardens, &c., unrecoverable ...				187	7	0
Seeds, Imported from Europe ...	913	7	10	.....		
„ purchased locally	407	15	4	1,321	7	2
Plants purchased				524	0	11
Flowers „				55	4	0
Pots „				256	13	0
Manure, sand and red soil				73	6	0
Garden requisites...				137	14	0
Red Hills water supply				536	13	5
Municipal, House, Water and lighting tax ...				45	12	0
Quit-rent				4	10	6
Repairs to conservatories and office				229	5	9
Books, periodicals, and binding charges ...				125	14	2
Printing and advertising				211	0	0
Postage on letters, copies of proceedings, &c. ...				108	0	0
Labels for the nursery plants				20	8	0
Museum Planting expenses				159	8	0
Flower Show. Prizes and Medals ...	715	14	0			
Refreshment	120	1	10			
Printing and Advertising.	154	6	6			
General Expenses ...	87	12	3			
Silk and Tea valuation ...	56	0	0			
Gate decoration, Barrier and lifting tents ...	41	4	0			
Conveyance of tents, tables, benches, &c. ...	179	1	0			
				1,354	7	7
Total Rupees ...				10,913	0	0

The following gentlemen were elected Members of the Committee for the ensuing year :—

The Hon. Mr. Justice Benson.	D. E. W. Leighton, Esq.
The Hon. Mr. J. Sturrock.	E. B. Powell, Esq.
The Hon. Dr. D. Duncan.	C. Michie Smith, Esq.
Surgeon-General C. Sibthorpe.	J. L. Spoor, Esq.
Colonel G. M. J. Moore, c.i.e.	H. C. West, Esq.
M. Hammick, Esq.	J. H. LeFanu, Esq

Proposed by Col. G. M. J. Moore, and seconded by The Hon. Dr. D. Duncan and carried unanimously that Dr. Bourne be invited to continue to discharge the duties of the Honorary Secretary.

Proposed by Surgeon-General Sibthorpe, seconded by Mr. C. Michie Smith, and carried unanimously that a vote of thanks be accorded to Messrs. Leighton and Norton-Knight for auditing the accounts of the Society for 1896.

Proposed by The Hon. Mr. Justice Benson, seconded by The Hon. Dr. D. Duncan, and carried unanimously that a vote of thanks be accorded to Dr. A. G. Bourne, for his service as Honorary Secretary, during 1896.

Proposed by The Hon. Dr. D. Duncan, seconded by Surgeon-General C. Sibthorpe, and carried unanimously that a vote of thanks be accorded to the chairman, Colonel G. M. J. Moore, for his conduct in the chair.

MEMBERS OF THE SOCIETY ON 31st DECEMBER, 1896.

President:

His Excellency Sir Arthur HAVELOCK, G.C. M.G.

Honorary Members.

Bernays, L. A. Esq.

Ferrier, General, J. P.

Hooker, Sir J. D., K.C.S.I., C.B., &c.

Extraordinary Members.

Benson, Lieut.-General R.
Bidie, Surgeon.-General G., C.S.I.
Cox, Colonel H. W. H.
Duff, Sir M. E. Grant, G.C.S.I.
Lawson, Sir Charles A.
Steavenson, Joseph, Esq.
Thanakoty Mudlr. Rai Bahadur, A.
Vizianagaram, H.H. TheMaharajah of, K.C.I.E.
Whiteside, W. S., Esq.

Subscribing Members (A Class).

Arundel, The Hon. Mr. A. T.
Bannerman, Surgeon-Captain.
Barclay, E., Esq.
Bateman, Surgeon-Colonel D. F.
Beck, J., Esq.
Benson, The Hon. Mr. Justice, R.S.
Bishop, The Right Revd. Lord of Madras.
Bobbili, H. H. The Rajah of, C.I.E.
Branson, Reddy, Esq.
Branson, The Hon. J. H. Spring.
Branfoot, Surgeon-Colonel A. M.
Buckley, L. E. Esq.
Collins, The Hon. Chief Justice Sir Arthur, C.I.E.
Deane, G. W. Esq.
Elialvar Naidoo, P., Esq.
Ferguson, T. J., Esq.
Gajputhee Row, Rajah Sahib, Sir G. N., C.I.E.
Gill, F. M. G., Esq.
Gooboor Estate, Manager of.
Grose, The Hon. Mr. J. M.A.
Hammick, M., Esq.
Havelock, H. E. Sir Arthur, G C.M.G.
Keess, Dr. W., M.A.
Krishnamacharya, T., Esq.
Lugard, Brigadier-General E.
Mahamud Sheriff Khan Bahadur, Hon'ble.
Mansfield, A., Esq.
Moore, Colonel G. M. J., C.I.E.
Muddukrishna Yachandra Bahadur, Rajah V.
Napier, A. S., Esq.
Norton, Eardley, Esq.
Oakes, A. W. D., Esq.
Oakes, W. H., Esq.
Ormerod, H., Esq.
Orr, Sutherland, Esq.
Powell, E. B., Esq.
Rajah Sethupathi of Ramnad.
Rajah of Parlakemedy.
Robertson, Surgeon Captain R.
Sawyer, Lieut.-Colonel, G. W.
Sim, H. A., Esq.
Smith, C. Michie, Esq.
Sowdey, C. Esq.
Spoor, J. L., Esq.
Sriramulu Pantulu Dasu, Esq.
Stanes, Thomas, Esq.
Sturrock, The Hon. Mr. J.
Taylor, W Esq
Thairp, Colonel A
Thurston, Edgar, Esq.
Thorburn, W. M., Esq.
Travancore H. H. Maharajah of, G.C.S.I.
Venugoty Venugopala Krishna, Yachandra Bahadur
Walker, J. L., Esq.
Williams, Rev. A. A.
Zemindar of Ettayapuram.

(B Class).

Bliss, The Hon. Mr. H. W., C.I.E.
Bourne, Dr. A. G.
Feast, Revd. R. B.
Formby, Captain R. F. R.
Giffard, Surgeon-Captain G. G.
Hall, A. A., Esq., M.A.
Kerwan, L. E., Esq.
Lawson, A. E., Esq.
Leighton, D. E. W., Esq.
Mahamud Sufther Hussain Sahib.
Mortimer, Colonel, F. J.
Narain Row, K., Esq.
Rungasamy Moodellyar S., Esq.
Sandoor, H. H. The Rajah of.
Sibthorpe, Surg.-Major-General C.
Shaw, W. S., Esq.
St. Leger, W. D., Esq.
Stradiot, E., Esq.
Sturmer, Surgeon Lieut.-Colonel A. J.
Van Geyzel, Surgeon-Major.
Vasudeva Row, R. H., Esq.
West, H. C., Esq.
Wright, W., Esq.

Proceedings of the Committee of the Agri-Horticultural Society, Madras, for April, 1897.

Circulated to the Members of the Committee for perusal.

The following contributions were made to the Garden Library :—

1.—Agricultural Statistics of the Lower Provinces of Bengal, for 1895-96, from the Department of Land Records and Agriculture, Bengal.

2.—Indian Forester for March, 1897, Vol. XXIII, No. 3, from the Editor.

3.—Prospectus of the Queensland Agricultural College, February, 1897.

4.—Delectus Seminum quæ Hortus Botanicus Imperialis Petropolitanus, 1896.

5.—Annual Report of the Botanic Gardens, Singapore, for the year 1896, from the Director of the Gardens.

6.—A list of Agricultural Implements and Machines which have been tested in India, during the year ended 30th September, 1896.

7.—Bulletin No. 1, of the Department of Land Records and Agriculture, Punjab, from the Director.

8.—Bollettino del Reale Orto Botanico Di Palermo, Appendice 1, 1897.

9.—Bulletin of the Botanical Department, Jamaica, December, 1896, Vol. III, part 12, from the Director of the gardens.

10.—Minor Agricultural Industries of British Guiana by Mr. G. S. Jenman, from the Author.

11.—Revue Agricole et journal de la chambre D'Agriculture de L'Ile, Maurice, No. 3, Mars 1897.

12.—Report on Natal Botanic Gardens, for the year 1896, from Mr. Medley Wood, Natal

13.—Report of the Colonial Herbarium for the year 1896, from Mr. Medley Wood, Natal.

14.—Tropical Agriculturist. No. 9 of Vol. XVI, for March, 1897.

15.—Trinidad Royal Botanic Garden's Bulletin No. 9, January, 1897.

The following contributions were made to the Gardens :—

Seed of Havana, Sumatra, Dindigul, and "Valac" Tobacco seed from Mr. E. E. SHAW, Dindigul.

Thirty eight packets of Australian seeds from the Director, Botanic Gardens, Sydney.

Three pounds of Swietenia macrophylla seed and a packet of Cæsalpinia minax var Burmannii from Dr. GEORGE KING, Superintendent, Royal Botanic Gardens, Calcutta.

Three ounces of Eucalyptus globulus seed, from Mr. R. L. PROUDLOCK, Superintendent, Government Botanic Gardens, Ootacamund.

Plants in flower.—The following is a List of the Plants in flower during April, 1897 :—

Acacia auriculiformis
Allamanda Schottii
Azadirachta indica
Alpinia calcarata
Amphilophium Mutisü
Adenanthera pavonina
Aleurites moluccana
Antigonon leptopus
Albizzia amara
Agave rigida var sisalana
Bauhinia variegata
„ candida
„ tomentosa
„ acuminata
„ monandra
„ Galpini
Bombax malabaricum
Bougainvillea laterita
„ glabra
Brunfelsia americana
Berrya ammonilla
Corypha umbraculifera
4th tree (1st tree flowered early in October, 1894.)
Catesbæa spinosa
Careya arborea
Cassia nodosa
„ fistula
„ tomentosa
„ Roxburghü
Coccoloba uvifera
„ platyclada
Cordia Sebestena
Citharexylum subserratum
Crossandra undulæfolia
Cratæva religiosa
Dolichandrone Rheedii
Dædalacanthus nervosus
Duranta Ellesii
Eleodendron glaucum
Guajacum Breynei
„ officinale
Glycosmis sapindoides
„ pentaphylla
Hamelia patens
Helicteris Isora
Gmelina asiatica
„ Hystrix
Gelonium lanceolatum
Ixora alba
„ coccinea
„ rosea
Jatropha multifida
Jatropha pandurifolia
„ podagrica
Jacquemontia violacea
Jasminum angustifolium
Kigelia pinnata.
Kleinhovia hospita
Ravena spectabilis
Memecylon edule
Mangifera indica
Murraya exotica
Mimusops Elengi
Malpighia punicifolia
„ glabra

Malpighia heteranthera
Myrtus communis
Morinda tinctoria
Ochna squarrosa
Polyalthia longifolia
Paritium elatum
„ tortuosum
„ tilicaceum
Passiflora serratifolia
„ trifasciata
„ laurifolia
Petrea volubilis
Pereskia bleo
Pimenta acris
Pisonia morindifolia
Pithecolobium Saman
Ochrocarpus longifolius
Quassia amara
Quisqualis indica
Rondeletia speciosa
Russelia juncea
„ multiflora
Strychnos nux-vomica
Stachytarpheta indica
Spathodea campanulata
Stenolobium stans
Sterculia fœtida
Solanum Seaforthianum
Tetranthera apetala
Tabernæmontana coronaria
Thunbergia grandiflora
„ fragrans
Tristellateia australasica
Terminalia Arjuna
Vallaris dichotoma
Vernonia elægnifolia
Wedeli biflora
Wrightia tinctoria
Walsura piscidia

Acacia auriculiformis of North Australia.—A young tree of the above fruited for the first time last December. It was planted in October, 1894, and is now 25 feet in height with a girth of 15 inches at 3 feet from the ground, this is a favourable growth as the generality of Australian plants do not take kindly to our climate. A small quantity of the seed has been saved and will be distributed to Members asking for it.

Tenasserim Orchids.—The orchids referred to in our Proceedings for March, 1897, were received in a very fair condition and thanks were sent to Mr. McDougal Peaché, Honorary Secretary, Agri-Horticultural Society of Tenasserim for his promptitude in sending them. He mentions that some of the orchids he sent had recently flowered and suggests that future applications may be made a little earlier in the season, so that we may receive the plants full of buds and ensure their first flowering soon after their arrival in Madras.

Agave rigida var. Sisalana.—Our largest plants began to throw up spikes of flowers about the 15th January last and recently the first flowers on the lower branches of the inflorescence opened. The spikes of flowers are now 26 feet high and promise to grow still a few feet longer. The largest leaves on

these plants are from 5½ to 6 feet long and about ½ foot broad, in the hot weather the leaves slightly wither shewing that the plants are not so hardy as the common American aloe or even the Fourcroya but the withering is only temporary, the plants soon recovering themselves after the first rains. These plants are from the original batch received from the Royal Gardens, Kew in 1890,* and have been grown without irrigation.

Paddy seed to Colombo.—Read letter from the Superintendent, School of Agriculture, Colombo, dated 6th April, 1897, thanking for the two varieties of Paddy sent by us at his request in March last, and promising to send shortly some seeds of Milletia sp. which makes a pretty flowering tree for Parks or roadsides.

Financial Statement for April, 1897.

Read and Passed.

A. G. BOURNE,
Honorary Secretary.

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*Introduced ...	...	p. 71,	Proceedings	December, 1890.
Other references	...	p. 181	,,	March, 1892.
,, ,,	...	p. 16	,,	,, 1893.
,, ,,	...	p. 104	,,	,, 1894.
,, ,,	...	p. 131	,,	September, 1894.
,, ,,	...	p. 150	,,	March, 1895.

Proceedings of a Meeting of the Committee of the Madras Agri-Horticultural Society, for May, 1897.

Circulated to the Members of the Committee for perusal.

The following contributions were to the library during the Month:—

1. Proceedings and Journal of the Agri-Horticultural Society of India, for January to March, 1897, from the Secretary of the Society.

2. Report on the operations of the Department of Land Records and Agriculture, Madras Presidency, for the official year, 1895-96.

3. Planting opinion for May 1st and 15th, from the Editor.

4. Kew Bulletin of Miscellaneous Information, Appendix No. II, 1897.

5. Tropical Agriculturist for May, 1897, from the Editors, Messrs. A. M. and J. Ferguson, Colombo.

6. Indian Forester for April, 1897, from the Editor.

7. Bulletin of the Botanical Department Jamaica forJanuary, 1897, from the Director of the Gardens.

8. Report of the Results obtained on the Experimental Fields, Skerrett's School, Antigua 1896, from the Superintendent of the School.

9. Bulletin No. 3 of the Department of Land Records and Agriculture, on Bengal-Wheat.

10. Monograph on Dyes and Dyeing in Bengal by Mr. N. N. Banerjee, Calcutta, 1896.

11. Semi Annual Report of Schimmet and Co., Leipzic and New York, April, 1897.

12. Annual Report on Government Gardens and Parks, Bangalore, for the year 1895-96.

13. Annual Report of the Royal Botanic Gardens, Trinidad, for the year 1896, from the Superintendent of the Gardens.

14. Journal of the Royal Horticultural Society, Chiswick for March, 1897, from the Director of the Gardens.

15. Experiment Station Record, Vol. VIII, No. 6, from U. S. Department of Agriculture, Washington.

16. Bolletino de R. Orto Botanico di Palermo, Anno, 1, Pasc, 1, Palermo, 1897.

17. Index Seminum Horti Botanici Namnetum, 1896.

18. Sutton's Amateur's Guide in Horticulture, for 1897.

The following contributions were made to the Gardens during the month.

A few bulbs each of Nerine flexuosa and N. pancratioides from Mr. J. Medley Wood, Esq., Botanic Gardens, Durban, Natal.

One hundred seeds of Isonandra acuminata from Mr. H. S. Ferguson, Esq., Secretary, Government Museum and Parks, Trevandrum.

One hundred and twenty bulbs of hybrid Amaryllis from Mr. G. Marshall Woodrow, College of Science, Poona.

Seed of Licuala grandis from the Director, Botanic Gardens, British Guiana.

Ficus altissima seed from the Superintendent, Royal Botanic Gardens, Calcutta.

Seed of Guileilma speciosa from the Director, Botanic Gardens, British Guiana.

Two packets of seed of Monsonia biflora (said to be a new remedy for dysentery—See Lancet for February 6th and 15th) from Mr. J. Medley-Wood, Botanic Gardens, Durban, Natal.

Seed of Milletia sp. (Ornamental flowering tree) from the Director, School of Agriculture, Colombo.

Plants to Baroda.—In reply to a letter from Mr. J. Krumbiegel, Superintendent, State gardens, Baroda, dated 19th April 1897, requesting some special plants to be supplied to the Baroda gardens, the following plants were forwarded free of cost :—

Solanum havanense.
Bauhinia Hookerii.
,, candida.
,, monandra.
Brexia madagascariensis.
Quassia amara.
Tecoma diversifolia.
Ficus comosa.
Jatropha panduriformis.
Myroxylon toluiferum.
Thyrsacanthus strictus.
Spathodea campanulata.
Dalbergia frondosa.
Cedrela Toona.
Kleinhovia hospita.

Plants to Natal.—A small collection of plants was given free of charge to Dr. W. Case of the Emigrant S. S. "Pongola." He promises to help the society in getting plants or seeds from Natal.

Grass seed to Sumatra.—Read letter from De Administratie der Deli, Matschappij, dated Medan, 1st April, 1897, asking for seed of Eragrostis abyssinica; Kangaroo grass Anthistiria australis; Astrelba triticoides, Mitchell grass; and Cynodon dactylon, "Dhub" grass.

A pound of Cynodon dactylon, the only kind immediately available was sent free through Messrs. Leighton & Co., forwarding Agents, Madras.

Rubber plant seeds.—Mr. H. S. Ferguson, Honorary Secretary, Government Gardens, and Parks, Trevandrum kindly sent us a small consignment of Isonandra acuminata seed free of charge with the remark that the seed was difficult to get. Part of the supply was sent to Mr. Krishnamacharry, Pondicherry, as his request for Rubber plant seed dates back to June, 1896.

Obituary.—The Committee regrets very much to record the death of The Maharajah of Vizianagaram, K.C.I.E., on the 23rd May. The Maharajah joined the Society in the year 1878, and contributed generously to the funds of the garden. The Maharajah was made an extraordinary member of the Society in 1888.

Financial Statement for May, 1897.
Read and passed.

D. E. W. LEIGHTON,
Acting Honorary Secretary.

Proceedings of the Committee of the Agri-Horticultural Society, Madras, for June, 1897.

Circulated to the Members of the Committee for perusal.

The following contributions were made to the Garden Library :—

Agricultural Bulletin of the Malay Peninsula for April, 1897, No. 6, from the Gardens and Forest Department, Straits Settlement.

Indian Forester for May, 1897, from the Editor.

Tropical Agriculturist for June, 1897, from the Editors.

Revue Agricole et Journal de la chambre D'agriculture de L'Ile Maurice, Avril 1897.

Bulletin of the Botanical Department Jamaica, February, 1897, from the Gardens.

Proceedings of a Meeting of the Niligiri Agri-Horticultural Society, 29th May, 1897, from the Honorary Secretary.

Planting Opinion, May 29th and June 12th, from the Editor.

Illustrated New Plants list for 1897, of Messrs. SANDERS, St. Albens.

William Brothers' Price list of Tropical seeds and plants, Haneratagoda, Ceylon, 1896-97.

Administration Reports for the Royal Botanic Gardens, Ceylon, for 1896 from the Director.

Bulletin No. 3 of the Agricultural Department of Assam on the cultivation of Rhea.

Report of the Agricultural Chemist to the Government of India for the year ending 31st March, 1897.

R. Van der Schoot and Son's Price list of Dutch bulbs and flower roots, 1897.

Frederic Adolph Haage Jun's special Cacti and Succulent list for 1897.

The following memoranda from the Department of Land Records and Agriculture, Bengal :—

Cotton crop in Bengal for 1896-97; Wheat crop of Bengal for 1896-97; Rabi food crops in Bengal, 1897; and Oil Seed crops of Bengal for 1896-97.

From the Department of Land Records and Agricultural, N. W. Provinces and Oudh :—

Wheat crop of 1896-97 and Linseed and Rape seed crops for 1896-97.

From the Department of Land Records and Agriculture, Central Provinces :—

Wheat crop of the central Provinces for 1897; and Linseed crop for 1897.

Report on the operations of the Department of Land Records and Agriculture, N.-W. P. and Oudh for the year ending 30th September, 1896.

The following contributions were made to the Gardens :—

Seed of Sabal umbraculifera from the Director, Botanic Gardens, British Guiana.

Seed of Chrysophyllum Cainito, large purple heart and green heart, and Mimusops globosa from the Director, Botanic Gardens, Trinidad.

The following seeds from Messrs. Damman & Co., Naples :—

Aster, 20 varieties
Ipomæa, 6 varieties
Dolichos helvaticus
„ Lab-Lab
Salvia sylvestris
*Caryopteris mastacanthus
Silene pendula compacta
*Rudbeckia radula
Polygonum pilosum
Gilia multicaule
Eupatorium carolinianum
*Iva angustifolium
Oenothera parviflora
*Symphyandra Wannerü
Godetia minutiflora
*Orosarthes Hookerü
*Uropappus Clevelandü
*Iva ciliata
*Lyenis migæbana
Geranium caespitosum
*Heterotheca subapillaris
*Achyracaena mollis
*Isopappus divaricatus
Cynoglossum paniculatum
Bunias orientalis
*Allionia albida
Polygonum opedorsanum
*Selago phylicioides
*Echinops humilis
Reseda odorata
*Pennisetum macrurum
Physalis Franchetti
Silene pendula Thusnelda
Iberis umbellata
*Helianthus nobilis
Commelina sellorviana
*Endropis caudata
Momordica mixta
Zea japonica gigantea quadricolor

Seeds of Butea parviflora, and Spathalobium Roxburghü from Mr. G. M. Woodrow, College of Science, Poona.

Two varieties of Sorghum vulgare, yellow and black varieties, from the Saidapet Farm.

* New to the Garden.

A packet of seed of Soymida febrifuga from the Superintendent, Government Botanic Gardens, Calcutta.

Agricultural Ledger for 1896, No. 15, Magnesia; No. 16, Corundum; and 42, Elephas indicus.

Planting Opinion, June 26th, 1897, from the Editor.

Cedrela odorata from Grenada.—Read the following letter from Mr. W. G. Broadway, Director, Botanic Gardens, Grenada, British W. India Islands dated 28th April, 1897.

"I beg to forward by this mail to your address as requested in your letter of the 19th February, 1897, some seeds of Cedrela odorata. The collection of these seeds is somewhat slow and tedious, so that the charge made for this purpose (for 2lb.) 6s. although apparently high is reasonable. These 2lb. came from about 53lb. of Cedar pods. We will try and forward the balance of 8lb. as soon as possible. Please find bill for present expenses enclosed."

Plants to Port Blair.—Read the letter from Mr. E. H. Man, dated Andamans, 8th June, 1897, in which he says that "as I have now returned from furlough I shall be happy to resume sending supplies of seedlings from these Islands should you so desire.

Resolved that Mr. Man be thanked for his kind offer and that a collection of our newest plants be made up and forwarded as soon as the weather permits of their being despatched with safety.

Rubber plants.—In answer to our queries about seed of Rubber plants Mr. T. J. Ferguson of Calicut, replies that his Hevea braziliensis flowered freely and offers seed after the monsoon, but he has not as yet got any seed from Castilloa elastica though the plants are of the same age as the Hevea.

Recorded with thanks.

Coca plants for Ootacamund.—Read letter from Mr. R. L. Proudlock, dated Botanic Gardens, Ootacamund, 14th June, 1897, in which he says that "Government is anxious to grow Coca (Erythroxylon Coca) in this District," and asks if the Society could help with seeds or plants on payment. In his second letter dated 20th June, says that he would like 200 plants to begin experiments with.

The Committee have much pleasure in placing at the disposal of the Government Gardens, Ootacamund, 200 plants of Erythroxylon Coca and will be glad to supply more plants should occasion arise.

Castilloa elastica.—Read letter from Mr. J. W. MINCHIN, Honorary Secretary, Agri-Horticultural Society, Ootacamund, dated 17th June, 1897 asking if we can assist in any way in obtaining seeds of Castilloa elastica as it is much enquired about by planters.

Replied that we have written to the most likely places for seeds and the result will be communicated to him when received.

Sorghum seed for Colombo.—Read letter from the Superintendent, School of Agriculture, Colombo, 20th May, forwarding a packet of seed of Milletia sp. and asking if we could send him some Sorghum seed.

Two varieties of Sorgham seed, yellow and black were forwarded through Messrs. Binny & Co., our Agents.

Fruit trees.—Mr. T. J. FERGUSON, of Calicut, under date 25th May, writes to ask if young plants or seeds of Mangosteen can be procured, how the seed should be packed for sending to England and whether seeds or plants are the best to send, also enquires about green and purple heart, Chrysophyllum Cainito and Mimusops globosa seeds of which we lately sent to him for trial on the Malabar coast.

Replied to the first query that probably plants sent in cases would be the safest way of transmitting them to a distance but seed should travel fairly well if packed in a wooden box with about twice as much soil as seed and a quantity of finely ground charcoal thoroughly intermixed.

The economic value of green and purple heart and Mimusops globosa are noticed in the next paragraphs, a copy will be sent to Mr. FERGUSON.

Chrysophyllum Cainito.—Star apple—"This a native of the West Indies. It grows to a moderately-sized spreading tree, with slender flexile branches. There are some species, or, at least, varieties of the fruit. The star apple, properly so-called, bears fruit resembling a large apple which in the inside is divided into ten cells, each containing a black seed, surrounded by a gelatinous pulp. The milky juice of the star apple, both of the tree and the fruit, before it is ripe, is remarkably astringent; but when the fruit ripens, it is sweet and very agreeable to the taste."—Rhinds Vegetable Kingdon, p. 375.

It is recorded in the Don's General History of the Dichlamyaceous plants, Vol. IV, p. 31 that "Fruit large, rather depressed, rose-coloured, mixed with green and yellow having the skin smooth and glabrous: the flesh soft, clammy, sweet and insipid. The Americans are very fond of it."

Chrysophyllum Cainito var. Jamaicensis.—"Fruit with a green or purple rind; the pulp also purple, and rather better flavoured than the species. It is called star apple in Jamaicca."

Mimusops globosa.—"Central America. Tree reaching a height of about 120 feet, perhaps fit like many other Sapotaceæ for frostless extra tropic regions. The milky juice from cuts into the stem when exsiccated forms the Balata of Commerce a substance in its qualities allied both to Gutta-percha and India-rubber (Jenman). Wood very dense and also elastic."—Select extra Tropical Pants, by Baron Ferd. Von. Muller, 9th Edition, 1895, p. 311.

Rainfall.—Rainfall registered by the Garden Rain gauge from January to June, 1897.

January	...	...	...	*Nil.*
February	...	...	...	0·64 in 1 day.
March	...	...	...	*Nil.*
April	...	...	...	*Nil.*
May	...	...	...	0·45 in 1 day.
June	...	...	...	2·63 in 5 days.

Financial Statement for June, 1897, and for April to June, 1897.

Read and passed.

D. E. W. LEIGHTON,
Ag. Honorary Secretary.

Financial Statement for April to June, 1897.

RECEIPTS.	Amount.	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs. Binny & Co., on 31st March, 1897	1,914 10 10		As per statement annexed ...	.....	2,255 3 9
Do. in hand for transmission to the Bank on 31st March, 1897	14 5 6		Balance with Messrs. Binny & Co., on 30th June, 1897	1,800 4 11	
Do. in hand petty cash on 31st March, 1897	15 0 3		Do. in hand for transmission to the Bank on 30th June, 1897...	57 6 0	
		1,954 0 7	Do. in hand, petty cash on 30th June, 1897	37 8 11	1,895 3 10
By sale of seeds during April to June, 1897	159 2 0				
Do. plants do ...	143 4 0				
Do. sundries do ...	199 14 0				
By loan of plants do ...	199 3 0				
By subscription from Members ... ... do ...	245 0 0				
By Govt. Monthly Grants do ...	750 0 0				
By Govt. Extra Grant do ...	500 0 0				
		2,196 7 0			
Total Rupees...	.....	4,150 7 7	Total Rupees...	.....	4,150 7 7

Agri-Horticultural Society, Madras, *3rd July*, 1897.

D. E. W. LEIGHTON, *Ag. Honorary Secretary.*

Particulars of Expenses, April to June, 1897.

	Rs.	A.	P.
Pay of Establishment	1,051	4	3
Wages of cooly boys, women and men	171	5	0
Seeds, English and acclimatised	371	7	3
Plants purchased...	99	10	0
Flowers „	21	0	0
Garden requisites	19	8	0
Pots	24	14	0
Re-roofing the large fernery...	34	5	6
Red Hills water supply, January to March, 1897 ...	103	13	8
Museum planting expenses	52	4	7
Repairs to the Superintendent's Bungalow, &c. ...	37	8	0
Newspapers and periodicals	64	7	9
Printing and binding charges	51	14	0
Postage on letters, Proceedings and seeds to foreign Botanic Gardens	16	8	9
Flower Show expenses	13	8	0
Sundry expenses—such as Rail charge for plants, cart hire, packing, &c.	121	3	0
Total Rupees ...	2,255	3	9

D. E. W. LEIGHTON,
Ag. Honorary Secretary.

Agri-Horticultural Gardens,
Madras, *3rd July*, 1897.

PROCEEDINGS FOR JULY, 1897.

Proceedings of the Members of the Committee of the Agri-Horticultural Society of Madras, held on Monday, the 2nd August, 1897, at 7-30 a.m.

PRESENT:

COLONEL SIR G. M. J. MOORE, KT., C.I.E. (*in the Chair.*)

E. B. POWELL, ESQ.
H. C. WEST, ESQ.
C. MICHIE-SMITH, ESQ.
THE HON. MR. J. STURROCK.
THE HON. MR. JUSTICE, R. S. BENSON.

SURGEON-GENERAL C. SIBTHORPE.

The following contributions were made to the Garden Library:—

1. Memorandum on Rhea Fibre plant from Mr. JOHN CAMERON, Bangalore, the author.

2. Plants of the swamps of Bombay and part I of the Synopsis of the Flora of Western India, from Mr. G. M. WOODROW, the author.

3. Report of the Agricultural work in the Botanic Gardens, George Town, British Guiana for 1893-4-5, from G. S. JENMAN, Esq., Government Botanist.

4. Planting Opinion for July 3rd, 10th, and 17th, from Mr. E. C. DUFF, the Editor, Coonoor.

5. Experimental Station Record, No. 7 of Vol. VIII, from the U.S.A. Department of Agriculture, Washington.

6. Annual Report of the Royal Botanic Gardens, Calcutta, for the year 1896-97, from the Superintendent of the Gardens.

7. Annual Administration Report of the Forest Department, Madras Presidency, for the year ending 30th June, 1896, from the Government of Madras.

8. Proceedings of the Madras Government, Nos. 370, and 370-A, dated 21st May, 1897, reviewing the Forest Administration Report, Madras Presidency, 1895-96.

9. Bulletin van het Koloniaal Museum te Haarlem, Juni, Juli, 1897.

10. Records of the Geological Survey of India, Vol. XXX, Part 2, 1897, from the Director of the Survey.

11. Agricultural Ledgers, 1896, No. 42. The Indian Elephant, 1897; No. 1, Seed Pearls; No 2 Dams and Bunds; No. 3, Sugarcane and Raw sugar; No. 4, Cassava, Tapioca and Maniot.

12. Annual Administration Report of the Forest Department, Madras Presidency for the year ending 30th June, 1896.

The following contributions were made to the Gardens:—

I. Three bags of seed of Swietenia Mahogani from the Superintendent, Royal Botanic Gardens, Calcutta.

II. A plant of Antigonon insigne and another plant name unknown from Surgeon-Lt.-Colonel A. J. STURMER, Teynampett, Madras.

III. Seed of Tithonia diversifolia from the Royal Botanic Gardens, Peradeniya, Ceylon.

IV. Seed of Pinus longifolia from the Superintendent, Government Botanic Gardens, Saharanpur.

V. Twenty kinds of Orchids and one Begonia sp. from Dr. A. G. BOURNE, Egmore.

VI. One seer of Chunár Paddy from the Superintendent, Horticultural Gardens, Nagpur.

VII. Seed of Pithecolobium Saman and Stigmaphyllum ciliatum from the Director, Botanic Gardens, Jamaica.

Seeds Collected.—The following is a list of the seeds collected up to date for free distribution to the members and to Botanic Gardens:—

Acacia auriculiformis
Do. Sundra
Adansonia digitata
Adenanthera pavonina
Allizzia Lebbeck
Anogeissus acuminata
Antigonon leptopus
Barleria prionitis
Do. involucrata
Do. lupulina
Bauhinia acuminata
Do. tomentosa
Bignonia megapotamica
Do. suberosa
Canna indica
Calophyllum inophyllum
Cæsalpinia Sappan
Cassia auriculata
Do. fistula
Cassia florida
Do. glauca
Do. Roxburghii
Do. nodosa
Caryota urens
Clitoria Plumeri
Do. ternatea
Colvillea racemosa
Colubrina asiatica
Cordia myxa
Do. Rothii
Dalbergia frondosa
Elæis guineensis
Erythrina indica
Ficus racemosa
Duranta Plumerii
Givotia rottleriformis
Gmelina arborea
Do. asiatica

Gmelina Hystrix
Hæmatoxylon campechianum
Helicteris isora
Heterophragma adenophylla
Hibiscus collinus
Inga Saman
Jatropha curcas
Kigelia pinnata
Kleinhovia hospita
Meyenia erecta
Melia azadirachta
Mimusops Elengii
Myroxylon Toluiferum
Parkia biglandulosa
Parkinsonia aculeata
Paritium elatum
Pongamia glabra
Polyalthia longifolia
Pterocarpus indicus
Pterospermum suberifolium
Ruellia tuberosa
Sapindus trifoliata
Do. saponaria
Schliechera trijuga
Solanum Seaforthianum
Spathodea campanulata
Sterculia fœtida
Stereospermum chelonoides
Stenolobium stans
Tanghinia venenifera
Tectona grandis
Terminalia Arjuna
Thunbergia fragrans
Turnera elegans
Walsura piscidia
Wriglitia zeylanica
Lagerstræmia flos-reginæ

Opuntia as Cattle fodder.—Read article from the Madras Mail of the 16th July 1897 calling attention to the use of Opuntia as a cattle food and referring to the experiment of Mr. Boyce, a large land and cattle owner in Australia. Mr. Boyce's method is to boil the Opuntia leaves or rather to steam them before giving to the cattle.

On page 246, *ante* of our Proceedings for December, 1892, there is an article on the Texan method by which the leaves are prepared by roasting over a fire which cleans the spines away after which they are greedily eaten by Cattle and Ponies, this way saves the cost of the square iron tank mentioned in Mr. Boyce's method, the expenses of which would most likely debar ryots from adopting it.

Rubber plant seed.—Read letter from Mr. J. W. Minchin Honorary Secretary, Nilgiri Agri-Horticultural Society, dated Ootacamund, 17th June, 1897, asking for Castilloa elastica seed as a great many Planters are desirous of cultivating this in consequence of the high prices ruling for India Rubber.

Letters were written to Dr. George King, Superintendent, Royal Botanic Gardens, Calcutta, and to Messrs. William Brothers, Heneratagoda, Ceylon, for Castilloa elastica seed

Dr. KING says in reply that Castilloa elastica does not seed in his gardens and he does not know of any body from whom a supply of the seed may be obtained. Messrs. WILLIAM BROTHERS replied that they had a small quantity in stock for sale at Rs. 10 per 100 seeds, this item was communicated to Mr. MINCHIN.

Mangosteen.—By request of Mr. T. J. FERGUSON of Calicut, we wrote to Singapore, and received the following reply from Mr. W. FOX, the Assistant Superintendent of the Botanic Gardens. "In reply to your letter of 21st June, 1897, enquiring about Mangosteen I find that we can supply you with a case of 20 large plants free on board a Steamship at Singapore, for Twelve Dollars."

A copy of this letter was forwarded to Mr. T. J. FERGUSON of Calicut, for his information.

Financial Statement for July, 1897, read and passed.

Rainfall.—During the month 2·54 inches fell in 5 days as registered by the Garden Rain gauge.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Members of the Committee of the Agri-Horticultural Society of Madras for August, 1897, held at the Gardens on Monday, the 13th September, at 7-30 a.m.

PRESENT.

COL. SIR G. M. J. MOORE, KT. C.I.E. (*in the Chair.*)

D. E. W. LEIGHTON, Esq. | E. B. POWELL, Esq.
H. C. WEST, Esq. | C. MICHIE-SMITH, Esq.

DR. A. G. BOURNE (*Honorary Secretary.*)

The following contributions were made to the Garden Library :—

1. Royal Colonial Institute Proceedings for 1896-97, from the Secretary of the Institute.

2. Queensland Agricultural Journal Vol. I, part 1, from the Secretary for Agriculture, Brisbane.

3. Bulletin No. 6 of the Department of Land Records and Agriculture, N. W. P. and Oudh, from the Director of the Department.

4. Annual Report of the Botanic Gardens, Graaff-Reinet for 1896, from Superintendent of the Gardens.

5. Report on the progress and condition of the Government Botanical Gardens, Saharanpur, for the year ending 31st March, 1897, from the Superintendent of the Gardens.

6. Report on the Botanic Gardens, British Guiana for the year 1895-96, from the Director, of the Gardens.

7. Annual Report of the Civil Veterinary Department of Bengal for the year 1896-97, from the Government, Revenue Department.

8. Planting Opinion for July, 24th and 31st, and August 7th, 14th, 21st, and 28th, from the Editor.

9. Tropical Agriculturist, Vol. XVII, No. 1 July, and No. 2, August, 1897, from the Editors and Publishers, Colombo.

10. Revue Agricole et Journal de la chambre D'Agriculture De L'Ile, Maurice, No. 7, Juillet, 1897.

11. Report on the Resistant Vines and Viticultural work of the University of California, from the Director.

12. Experiment Station Record, Vol. VIII, Nos. 8 and 9, of the U. S. Department of Agriculture, Washington, from the Director.

13. Proceedings of the Nilgiri Agri-Horticultural Society, held on the 5th August, 1897, and Annual Report for 1896, from the Secretary of the Society.

14. Report on experimental cultivation in the Southern Shan States for the year 1896-97.

15. Anniversary Address by the President, J. H. Maiden, Government Botanist and Director of the Botanic Gardens, Sydney, May 5th, 1897.

16. Agricultural Bulletin of the Malay Peninsula, No. 7, June 1897, from the Director of the Gardens, Singapore.

17. Indian Forester for June and July, 1897, with 2 appendices from the Editor.

18. Proceedings of the Madras Government, No. 578, 16th July, 1897, reviewing the Administration of the Government Cinchona Plantations, Nilgiris; Nos. 559, 559-A, 13th July, 1897, reviewing the Annual Administration Report on the Government Botanic Gardens and Parks, Nilgiris, for 1896-97; No. 569, 13th July, 1897, resolving to issue a statement enunciating the Forest Policy of the Madras Government; and No. 547, 9th July, 1897, *re* the appointment of the Director, Government Cinchona Plantations.

19. Annual Report of the Botanic Gardens, Grenada, British West India Islands for 1896, from the Curator of the Gardens.

20. E. H. Krelage and Son's Bulb Catalogue, 1897, No. 498-B.

21. Vilmorin Andrieux and Co's., Autmn seed list, 1897.

22. Plantes Vivantes offertes en échange aux Jardins Botaniques Par le Museum D'Histoire Naturelle De Paris, 1897.

The following contributions were made to the Gardens :—

Two pounds of seed of Reana luxurians from Mr. W. Gollan, Superintendent, Government Botanic Gardens, Saharanpur.

Seeds of Hevea braziliensis, from Mr. T. J. Ferguson, Calicut.

Six seeds of Cynometra trinitensis, from the Director, Botanic Gardens, Trinidad.

Cocaine plants for Ooty.—Read letter, from Mr. R. L. Proudlock, curator, Botanic Gardens, Ootacamund, dated 20th July, 1897, thanking the Members of the Committee for their generous offer of 200 plants of Erythroxylon Coca for experiment in the Government Botanical Gardens, Ootacamund.

One hundred plants were despatched to the Botanical, Gardens, Ootacamund on the 27th August, 1897, and the remainder will follow next week.

Seed for exchange.—Read letter, from Messrs. Damman & Co., Naples, dated 25th June, 1897 requesting a list of the seeds available for exchange.

A full list of the seeds available at present was forwarded as requested.

Reana seed to Nagpur.—Read letter, from Mr. J. H. STEPHEN, dated Nagpur, 20th July, asking for Reana luxurians seed for trial in the Nagpur Horticultural Society's Gardens.

Half a pound of the seed was supplied gratis.

Plants for Members.—The following is a list of the plants available for distribution to Members.

Large plants of Areca catechu—Areca nut.
Do. Cocos nucifera—Golden cocoanut.
Cola acuminata—Kola of commerce.
Myristica moschata—Nutmeg.
Castanospermum australe—Moreton Bay chestnut.
Tectona grandis—Teak tree.
Cedrela toona—Toon tree.
Dillenia indica—
Garcinia gambogia—Gamboge tree.
Oreodoxa regia—Cuban cabbage palm.
Elæis guineensis—West African oil palm.
Pithecolobium polycephalum—the new coffee shade tree.
Camphora officinale.—Camphor plant.

Rubber seed.—Read letter, from Mr. T. J. FERGUSON, dated Calicut, 19th August, 1897, advising despatch of a small quantity of Para Rubber (Hevea brazeliensis), for our acceptance, with the remark that these seeds are the first collected this season.

Mr. T. J. FERGUSON forwards specimen of a pretty climber, found in Malabar and wishes to know the botanical name of it.

He was informed that the name is Holostemma Rheedii and was asked for seed of it for trial in our gardens.

This plant according to Watt's Dictionary of the Economic Products of India is a fibre yielding plant, suitable for cordage and paper making. Royle states that it attains it best condition after the rains. The roots are used as medicine and the leaves and flowers as vegetables in parts of Bombay and Chota Nagpur.

Revision of the list of Prizes, &c.—For the Flower Show to be held on the 26th February, 1898, was considered.

Prizes for single varieties of Carnations, Pinks, &c., and double varieties of Carnations, Pinks, &c., ornamental leaved Begonias, flowering Begonias, Dahlias and sun-flower were added and prizes for Violets, Heliotropes, Best grown ferns, and second prizes for Roses, climbers, Balsams, Phloxes, and Petunias were struck out. Prizes for celery, cabbage, strawberries, peaches, apples, were reduced to Rs. 3, 3, 5, 5, 5, respectively. In Extra Prize list, prizes for Forest Products, Silk, Tussa-silk, Export articles and medicinal plants cancelled and a prize of Rs. 10 each for vegetable oils, garden pots and pans, and Bazaar medicines added. Regulations for the admission of visitors, From 7 to 11 a.m., Re. 1 each, from 11 a.m., to 2 p.m., 8 as, each, and from 2 to 6 p.m., 4 as. each. School children under 10 free after 4 p.m.

Carrot seed.—Read Resolution of the Secretary of the Board of Revenue, Revenue Settlement, Land Records and Agriculture, dated 24th August, 1897. Miscellaneous No. 6785 regarding the surplus stock of carrot seed offered for sale by the Director, Department of Land Records and Agriculture, N. W. Provinces and Oudh.

Resolved that the Secretary, Board of Revenue, Revenue Settlement, Land Records and Agriculture, be informed that we do not require any of the carrot seed, as the Committee thinks that it is quite possible that the seed will no longer germinate, and the varieties are moreover inferior to those we usually obtain.

Rainfall.—During the month 7·89 inches fell in 9 days as registered by the garden Rain-gauge.

Financial Statement for August, 1897, read and passed.

G. M. J. MOORE, *Chairman.*
A. G. BOURNE, *Honorary Secretary.*

Proceedings of the Members of the Committee of the Agri-Horticultural Society, Madras, for September, 1897.

Circulated 4th Oct. to the Members of the Committee for perusal.

The following contributions were made to the Garden Library :—

Kew Bulletin of Miscellaneous Information for December, 1896, and February and March, 1897, from the Director of the Gardens.

Journal of the Royal Horticultural Society, Chiswick, Vol. XXI, part 1, from the Secretary of the Society.

Queensland Agricultural Journal, Vol. I, part 2, August, 1897, from the Principal, Queensland Agricultural College, Galton.

Records of the Geological Survey of India, Vol. XXX, part 3, 1897, from the Director of the Survey.

Agricultural Bulletin of the Malay Peninsula, No. 7, June, 1897, from the Director, Botanic Gardens, Singapore.

Bulletin, No. 35 of the Department of Land Records and Agriculture, Madras, from the Government of Madras.

Procedings and Journal of the Agricultural and Horticultural Society of India, for April to June, 1897, from the Secretary of the Society.

Experiment Station Record, Vol. VIII, No. 10 from the Department of Agriculture, Washington, U.S.A.

Indian Gardening, No. 1 of Vol. 1, from the Editor.

Proceedings of the Madras Government, No. 578, 16th July, 1897, reviewing the Report of the Government, Chinchona Plantations, Nilgiris, and Government Order Nos. 674, 674-A, 5th August, 1897, Report on Cochneal Insect by Dr. A. G. Bourne.

Review Agricole et Journal DeLa Chambre D'Agriculture de L'Ile Maurice, Aout, 1897, No. 8.

Report of the Horticultural Gardens, Lucknow, for the year ending 31st March, 1897, from the Superintendent of the gardens.

Agricultural Ledger Nos. 5, 6, and 7 of 1897, from the Government of India.

Indian Forester for August, 1897, and Appendix Series No. III, from the Editor.

Planting Opinion for September 4th, 11th and 18th, from the Editor.

Annual Report of the Government, Cinchona Plantation and Factory in Bengal, for the year 1896-97.

Catalogue of seeds and plants, for 1897 from Mr. S. P. CHATTERJEE NARCOLDANGA, Calcutta.

William Bull's catalogue of Tuberous Rooted plants and bulbs for 1897-98.

The following contributions were made to the Gardens during the month :—

A few seeds of Yca Valley cotton, from Mr. W. HAMILTON-HOLMES, Bangalore.

Seeds of Hevea braziliensis, and some capsules of seed of an unknown plant probably Amomum sp., from Mr. T. J. FERGUSON, Calicut.

One plant Congea azurea, from Mr. REDDY BRANSON, Teynampett, Madras.

Capsules Twelve ~~pods~~ of Ravenala madagascariensis, from the Director, Royal Botanic Gardens, Peradeniya, Ceylon.

Budget Estimate—Read the following paper :—From Dr. A. G. BOURNE, Honorary Secretary, Agri-Horticultural Society, Madras, to the Chief Secretary to Government, dated 11th August, 1897, No. 1209.

I have the honor to herewith send our budget estimate for 1898-99 as requested.

DETAILED *Account No. 26-H. Scientific, &c., Departments—Botanical and other Public Gardens.*

—	Budget estimate, 1898-99.	Revised estimate, 1897-98.	Budget estimate, 1897-98.	Accounts 1896-97.
Other Public Gardens.	RS.	RS.	RS.	RS.
Agri-Horticultural Gardens. Madras. ...	4,000	4,000	4,000	4,000
Receipts.				
Government monthly and extra grant ...	3,500	3,500	3,500	3,500
„ special grant for flower-show ..	500	500	500	500
By sale of seeds ...	1,750	1,750	1,750	1,226
„ of plants ...	1,400	1,400	1,400	1,524
„ of sundries ..	1,000	1,000	1,000	857
By subscription from members	1,800	1,800	1,800	1,758
By sale of admission tickets at flower-show ...	900	900	900	823
By planting museum compound ...	...	...	...	646
Total...	10,850	10,850	10,850	10,834
Expenses.				
Flower-show expenses ...	1,400	1,400	1,400	1,396
Printing and advertising ...	300	300	200	223
Stationery and postage ...	140	140	140	125
Books and periodicals ..	160	160	160	165
Establishment ...	4,000	4,000	3,900	4,232
Cooly labour ...	760	760	790	744
Carts, cooly-hire, rail charges, freight of Wardian cases, &c.	500	500	480	688
Seeds purchased ...	1,500	1,500	1,630	1,346
Plants ...	350	350	350	410
Pots and potting materials ...	200	200	300	211
Quit-rent and municipal tax...	50	50	50	50
Red-Hills water-supply ...	450	450	350	500
New buildings and repairs to old ...	100	100	100	126
Garden requisites and repairs to fernery, &c. ...	200	200	200	379
Petty expenses ...	200	200	250	134
Museum-planting expenses ...	...	...	...	238
Total...	10,310	10,310	10,300	10,967

ORDER—No. 651, Financial, dated 18th August, 1897.

The usual grant of Rs. 4,000 will be entered in the budget for 1898-99. The special allotment (Rs. 500) for prizes will not, however, be disbursed in the event of the annual flower-show not being held in 1899.

(True Extract.)

J. G. NELSON,
for Chief Secretary.

Exchange.—MR. W. R. GUILFOYLE intimates in his letter dated Melbourne, 21st June, 1897, that he is sending 36 species of seeds and trusts that we should be able to forward in exchange seeds of plants and trees of which he gives a list as below :—

Solanum Seaforthianum	Cassia auriculata
Cassia glauca	Parkinsonia aculeata
Tanghinia venenifera	Spathodea campanulata
Pterocarpus marsupium	Erythrina indica
Stereospermum suaveolens	Lawsonia alba
Bignonia megapotamica	Walsura piscidia
Do suberosa	Cassia florida
Dracæna circulosa maculata	Colvillea racemosa
Cassia nodosa	Spathodea adenophylla
Parkia biglandulosa	Casuarina muricata
Pterospermum suberifolium	Bassia longifolia

Request complied with.

Plants to Port Blair.—Read letter from MR. E. H. MAN, dated Port Blair, 15th September, 1897, acknowledging with thanks the safe receipt of a Wardian case of plants sent to him on the 6th instant, per S. S. "Shahjehan."

The following is the list of the plants packed in the case :—

Acacia auriculiformis	Garcinia gambogia
Bauhinia candida	Memecylon tinctorium
Brugmansia suaveolens	Phyllarthron comerense
Bougainvillea glabra	Ruellia rosea
Clerodendron Falax	Sterculia heterophylla
Castanospermum australe	Stenolobium stans
Costus speciosus	Tabernæmontana double fringed
Cuphea eminens	Thunbergia Kirkii
Clusia rosea	Tecoma jasminoides
Gmelina hystrix	

Mangoe grafts.—As we have had many enquires about the best kinds of Mangoes other than Madras varieties, we wrote to Mr. J. PHILLIPS, Superintendent, Government Farms, Allahabad, a well-known enthusiast in Mangoe cultivation, to give us a list of the best kinds known to him, to which he very kindly replies and forwards the names of 20 kinds. He says : "I consider No. 7 about the best Mango in India and worth Rs. 50 a plant, large, good constitution, and fruits every year. No. 9 very sweet, No. 11 requires to be caught at a particular time to get it at its best, Nos. 13, 14 and 16 the very best mangoes, No. 16 is said to sell well in Benares and is very celebrated. No. 23 a very celebrated and a splendid variety."

ist of Mango-grafts available in Allahabad and neighbourhood.

Kind.	Names.	Date of ripening.	Description.
1	Ameer gola ...	...	First-Class.
3	Bombay Alphonse ...	6th July.	
„	„ common ...	3rd June.	
„	„ large ...	...	Good.
„	„ Jait ...	20th May.	Very early, good, but small
„	„ No. 1 ...	3rd June.	Good.
4	Dudhia	...	Very good.
5	Do-Fasli	15th June.	Fruits twice a year.
„	Dilshad	...	
„	Dilpasand ...	...	Fist-class.
6	Fakira	2nd July.	
7	Fazri	25th „	Grows from $1\frac{1}{2}$ to 2 seers, really first-class and lasts quite a month in season.
8	Kaddu	...	Very good and large.
9	Khirsapat ...	18th June.	Very sweet, one of the best
10	Kuar Bhag ...	27th May	
11	Krishna Bhag ...	20th June.	One of the best.
12	Langra, Allahabad ...	18th „	Excellent.
13	„ Hazipur ...	...	„
14	„ Patna No. 1 ...	...	„
15	„ Rajmahal ...	...	„
16	„ Benares Special.	...	„
17	„ Saoni ...	15th July.	„
19	Patwakot	20th June.	One of the best.
20	Safeda	...	
22	Sundar Sah ...	1st July.	
23	Surkha	25th June.	

Coffea stenophylla.—In reply to our enquires *re* Coffea stenophylla distributed by the Society in 1890, the following letters have come to hand :—

Mr. T. J. Ferguson of Calicut in his letter, dated 7th Sept., 1897, says that "the tree I kept here grows well and is topped at 6 feet, and is perfectly healthy : it had a fine blossom in May, but nearly all has failed to set and there is scarcely any fruit on the tree. However this is a very general complaint this year, and my hybrid Coffee trees are bearing very badly. He further informs us that a Mr. R. Lamb, Wynaad writes to him as follows regarding the C. stenophylla which I gave him—Mr. Lamb says I am sorry to have to report that stenophyllas have as yet shown only about half a dozen flowers which have come to nothing though the growth of the trees and freedom from disease is very satisfactory. Wynaad is probably too high for this coffee : it might succeed at 200 or 300 feet. I will try this when I get some seeds."

Under date 26th August, 1897, Mr. W. E. Gilbert of Yercaud states : "In reply to yours *re*-the four Coffea stenophylla plants you kindly sent me three years ago, I carefully planted them in large pits filled with good soil with forest loam and cattle manure. They have been highly cultivated and greatly cared for in every respect. They never had leaf disease and although they always look very healthy yet their growth is extremely slow for you will be surprised when I tell you they are not more than sixteen inches high, perhaps they require a higher or much lower elevation than Yercaud to suit them. This is about 4,300 feet above sea level. I am sending you a couple of twigs of my plants from which you will easly observe how they differ in size and shape from the foliage of the "arabica" as for crop my plants never had a bud on them and it is not likely they will blossom even next season."

Recorded with thanks.

Yca Cotton.—Mr. Hamilton Holmes in his letter dated 14th August asks if we can get for him from Peru 5lb. of each of Yca and Pinray cotton seeds. The Pinra variety is known as "Algadon de Pinra : they are both perennial and thrive in a hot and dry country.

Read the following from a letter from Mr. H. Holmes, dated 5th September, 1897 :—

"I herewith as promised enclose a few seeds of Yca valley cotton seed originally imported with the cinchona plants by C. Markham from Peru in 1867, particulars of which you will find in the Government Farm Reports, Madras, of 1873 and subsequently and probably previous to this, but I have none previous to refer to. I know a tree of this variety which produced 1,200 bolls in one year

about 120 Bolls or so to the pound *i e.*, cotton and seed. If you plant these seeds 12 feet apart in rich well drained land, red soil for preference you ought to have plenty of seed in about 6 or 7 months time. Manure well. I am planting between every Coffee plants 6′ × 6′ for shade for the young plants. Make your pits 18″ or 2′ deep, 12″ diameter, round and put one seed in each."

Recorded.

Cocaine Plants.—Read letter from R. L. PROUDLOCK, Esq. Curator, Government Botanic Gardens, Ootacamund, dated 20th September, 1897, acknowledging with thanks the safe receipt of the second batch of 100 Erythroxylon Coca Plants sent to him.

Recorded.

Rainfall.—During the month 11·83 inches fell in 10 days as registered by the Garden Rain-gange.

Financial Statement for July to September, and September, 1897, read and passed.

G. M. J. MOORE,

Chairman.

A. G. BOURNE,

Honorary Secretary.

FINANCIAL STATEMENT FOR JULY TO SEPTEMBER, 1897.

RECEIPTS.	AMOUNT.	AMOUNT.	EXPENSES.	AMOUNT.	AMOUNT.
	RS. A. P.	RS. A. P.		RS. A. P.	RS. A. P.
Balance with Messrs. Binny & Co., on 30th June, 1897	1,800 4 11		As per statement appended ...	.....	2,332 2 6
Do. in hand for transmission to the bank on 30th June, 1897 ...	57 6 0		Balance with Messrs. Binny & Co., on 30th September, 1897 ...	1,365 9 6	
Do. in hand, petty cash on 30th June, 1897 ...	37 8 11		Cash in hand for transmission to the Bank on 30th September, 1897	117 8 0	
		1,895 3 10			
By sale of seeds during July to September, 1897 ...	303 11 0		Cash in hand, petty cash on 30th September, 1897 ...	29 9 5	
Do. plants do ...	354 15 0				
Do. sundries do ...	166 15 7				1,512 10 11
By subscription from Members do ...	374 0 0				
By Government Grant from July to September, 1897... ...	750 0 0				
		1,949 9 7			
Total Rupees...	.....	3,844 13 5	Total Rupees...	.....	3,844 13 5

AGRI-HORTICULTURAL SOCIETY,
MADRAS, *6th October*, 1897.

A. G. BOURNE,
Honorary Secretary.

Particulars of Expenses, July to September, 1897.

	Rs.	A.	P.
Pay of Establishment	1,053	8	6
Wages of cooly men, women and boys	170	11	0
Seeds purchased from Messrs. Sutton and Vilmorin Andrieux & Co.	386	9	0
Acclimatised seeds purchased.	106	2	6
Red-Hills water supply, April to June, 1897 ...	162	13	0
Municipal, house, water and lighting tax ...	22	14	0
Printing and Advertising	102	5	0
Plants purchased	50	14	0
Garden requisites	17	9	6
Flower pots and manure	13	0	0
Books and periodicals	18	8	0
Re-roofing Araceæ house and Supdt.'s verandah ...	36	0	0
Postage on letters, seeds to foreign gardens and proceedings, &c.	29	3	6
Rail charge, packing expenses, &c., recoverable ...	162	0	6
Total Rupees...	2,332	2	6

A. G. BOURNE,

Honorary Secretary.

Agri-Horticultural Society,

Madras, *6th October*, 1897.

Proceedings of the Members of the Committee of the Agri-Horticultural Society, Madras, for October, 1897, held at the gardens, on Monday, the 1st November, 1897.

PRESENT:

HENRY C. WEST, ESQ.
COL. SIR GEORGE M. MOORE, C.I.E. (*in the Chair.*)
THE HON'BLE DR. D. DUNCAN
E. B. POWELL, ESQ.
THE HONORABLE, MR. H. M. WINTERBOTHAM,
SURGEON-GENERAL C. SIBTHORPE.
DR. A. G. BOURNE (*Honorary Secretary.*)

The following contributions were made to the Library during the month :—

Kew Bulletin of Miscellaneous Information for April, May and June, July, August and September and October 1897, from the Royal Gardens, Kew.

Agricultural Ledger for 1896. No. 17—Water-lifts; and 1897. No. 8—Indian Manures, and No. 9—Jarul (Lagerstrœmia flos—reginæ), from the Government of India, Calcutta.

Queensland Agricultural journal, Vols. I, part 3 for 1897, from the Principal, Agricultural College, Galton.

Experiment Station Record Vol. VIII, No. 11, from the U. S. Department of Agriculture, Washington.

Indian Forester and supplement for September 1897, from the Editor.

Tropical Agriculturist for September 1897, from the Editors and Publishers, Colombo.

Revue Agricole et journal de la chambre D'Agriculture de L'Ile Maurice, September 1897.

Planting Opinion for September 25th, October 2nd, 9th and 16th, from Mr. E. C. DUFF, the Editor.

Indian Gardening, September 15th and 30th; October 7th and 14th, from the Editor, Mr. St. J. JACKSON, Calcutta.

Annual Report by the Deputy Director of Agriculture, Bombay Presidency for year, ending 31st March 1897, from the Government of Bombay.

Proceedings of the Madras Government, 11th August 1897, about the manufacture of Hydrochlorate of Cocaine.

The following contributions were made to the gardens, during the month :—

Seeds of Hevea braziliensis, Para Rubber, from Mr. T. J. Ferguson, Calicut.

Seed of Thrinax barbadense from the Director Botanic Gardens, Trinidad.

Seed of Ravenala madagascariensis from the Royal Botanic Gardens, Peradeniya, Ceylon.

Twelve fruits of Nutmeg, (Myristica moschata) from Geo. Anderson, Esq., Quilon.

The undermentioned from Dr. A. G. Bourne, Egmore.

5 Actiniopteris radiata	1 plant of Balanophoreæ
2 Aneilema sp.	19 seeds of Cherimoyer,
20 Orchids	(Anona cherimolia)

Exchange.—Read letter from Mr. H. F. Macmillan, Curator, Royal Botanic Gardens, Peradeniya, dated 29th September, asking for the seed specified below.

Myroxylon toluiferum	Cassia marginata
Sapindus saponaria	Colubrina asiatica
Pongamia glabra	Turnera elegans
Hæmatoxylon campechianum	Bignonia megapotamica
Spathodea adenophylla	

The above request was complied with.

Plants from Port Blair.—Read letter from Mr. E. H. Man, Port Blair, dated 10th October advising despatch of a Wardian case containing plants of Ptychoraphis augusta, a charming dwarf Nicobar Palm, in exchange for the case of plants we sent on the 6th ult.

Fodder.—Read extract from the Kew Bulletin of Miscellaneous Information for May and June 1897 which quotes from the Report of the Botanic Gardens, British Guiana for 1895-1896, about Phaseolus semi-erectus.

"A highly nutritions native pea plant, Phaseolus semi-erectus, widely distributed in Tropical America of which cattle are ravenously fond, gave, self-sown without cultivation, in two crops in the year, a total of over 27 tons per acre."

The plant grows wild in India, probably if cultivated would form an useful addition to the fodder plants of India. No mention of it is made in any of the books we have about Indian Fodder crops. The Rainfall at George Town averages about 79 inches annually, this no doubt is a great factor in producing the 27 tons per acre mentioned above, but even with our Rainfall of about 48 inches it seems worth a trial.

Recorded.

Exchange.—Read letter from Mr. CAMERON, Superintendent, Lal Bagh, Bangalore, dated 29th September offering ferns, &c., in exchange for Palms and Crotons of which he says that his collection in very incomplete.

The following is a list of the plants sent to Mr. CAMERON.

Livistona rotundus
Chrysolidocarpus lutescens
Hyphæne natalensis
Ptychoraphis augusta
Corypha elata
Dypsis madagascariensis
Cocos plumosa
Kentia Wendlandiana
Thrinax sp.
Phœnix acaulis
„ zeylanica
Pritchardia pacifica
Wallichia disticha
Croton Washingtonii
„ Williamsii
„ recurvifolium
„ ensifolium
„ nobilis
Croton Kingianus
„ Sir Ashley Eden
„ volutum
„ neptune
„ 5 seedling varieties
„ Alexandria
„ Andreanum
„ aureum
„ angustifolium
„ magesticum
„ Beauty
„ metallica
„ „ variety
„ oblongifolium
„ heriocus
„ rex
„ quercifolium

Medal for Medicinal Plants.—Read letter from Mr. A. PAUL, Superintendent, Cossipore Horticultural Gardens, dated 9th September, in which he says: "I have the pleasure to send you the Silver Medal awarded for the collection of Medicinal plants.* As I do not know the winner's name will you have the kindness to enscribe the same and present it to him on my behalf. The plants exhibited of which you have sent me a list is indeed very interesting. I thank you for the trouble."

* See page 43, ante.

The Silver Medal was sent to Mr. C. J. HAY-ELLIS, the prizewinner.

Rainfall.—During the month 3 inches and 95 cents fell in 3 days as registered by the Garden Rain-gauge.

Financial Statement for October, 1897.

Read and passed.

G. M. J. MOORE,

Chairman.

A. G. BOURNE,

Honorary Secretary.

Proceedings of a Meeting of the Committee of the Madras Agri-Horticultural Society, for November, 1897.

Circulated, 6th December, to the Members of the Committee for perusal.

The following contributions were made to the Library during the month :—

Year Book of the Department of Agriculture, Washington, for 1896.

Memoirs of the Geological Survey of India, Vol. 27, part II, from the Secretary of the Board of Revenue, also Palæontologia Indica on Himalayan fossils and Fauna of Baluchistan.

Annual Report of the Sibpur Experimental Farm, Dumraon Experimental Farm. Burdwan Experimental Farm, for 1896-97.

Report of the Department of Land Records and Agriculture, Central Provinces, for 1895-96.

Report of the Director of the Botanical Survey of India, for the year, 1896-97.

Annual Note on Crop Experiments in Assam, for 1896-97.

Report on the Arboricultural Operations, N. W. P. and Oudh, for the year ending 31st March, 1897.

Report of the Department of Land Records and Agriculture Bengal, for the year ending 31st March, 1897.

Annual Report on the gardens of His Highness the Maharana of Oodeypore, for the year, 1896-97.

Tropical Agriculturist, for October and November, 1897, from Messrs. A. M. and J. Ferguson, the Editors and Publishers.

Experiment Station Record, No. 1 of Vol. IX, and Bulletin, No. 14, from the U. S. A. Department of Agricultural, Washington, 1897.

Planting Opinion for October, 23rd, and 30th, November, 6th, 13th and 20th, from Mr. E. C. Duff, the Editor.

Indian Gardening for October 21st, 28th, November 4th. from Mr. H. St. John Jackson, the Editor and publisher, Calcutta

Semi—Annual Report of Schimmel & Co., Leipzic and New York, October, 1897.

Queensland Agricultural Journal, Vol. I, part 4, October, 1897.

Indian Forester, for October, 1897, Vol. XXIII, No. 10, from the Editor, at Dehra-Dun.

Proceedings of the Nilgiri Agri-Horticultural Society, held at the gardens on 8th October, 1897.

Proceedings of the Government of Mysore on Mr. Cameron's recent visit to the Manjarabad Ghaut Forests.

Proceedings of the Madras Government, No. 851, dated 6th October, 1897, reviewing the Report on the sale of Quinine powders.

Scrub eradicator.—Read letter from Messrs. PARRY & Co., Madras, dated 26th instant, forwarding a sample of scrub eradicator and stating that they should be glad to supply us at reduced rate. We have been often asked for some method of effectually destroying the nut grass which grows so freely in garden walks and renders them so unsightly. From the particulars given with the above eradicator it would seem to be suitable for that purpose. A trial will be made in the road near the Nursery garden.

Rubber seed.—Read letter from the Director, Botanic Gardens, Saigon, dated 4th October, 1897, asking for seeds of any rubber plants for cultivation in his gardens.

Replied that seeds are not available at present, but that enquiries will be made

Exchange.—Read letter from Mr. J. CAMERON, dated 5th November, 1897, advising the despatch of the undermentioned plants in exchange for the palms and crotons sent to him in October last :—

Acrosticum axillare
,, variabile
Adiantum pectinatum
,, gracillimum
,, venustum
,, rhodaphyllum
,, Pacotii
,, Callisii
,, cuneatum-grandiceps
,, Lawsonii
,, Fergusonii
Asplenium formosum
,, furcatum
,, sylvaticum
Blechnum cartilagineum
,, occidentale
Davallia spelunca
,, strigosa
,, fijiensis-plumosa
Hemitelia Burmiana
Nephrodium cuspidatum
,, dissectum
,, prolixum
,, remotum
,, syrmaticum
,, unitum
Osmunda regalis
Onychium japonicum
Polypodium aureum
,, Powellii
,, fissum
Pteris tremula
,, argyrea
Selaginella caulescens
,, Wildinovii
Begonia rex
argentea maculata
argyrostigma
hybrida
manicata

Durian.—Read letter from Mr. H. F. MACMILLAN, Curator of the Royal Botanic Gardens, Peradeniya, Ceylon asking if Durian Trees grow in Madras and if they flower and fruit freely or in what part of India the Durian is most successful.

Informed him that the Durian has not succeeded with us. We imported some plants a few years ago but they required the moist atmosphere of our Fernery to keep them in health and from the slow progress they made in growth we concluded that our climate was not damp enough for them. We therefore sent them to one of our Members living at Calicut for trial who replied in July, 1891* very favourably of their initial growth, stating that they were improved considerably and were looking quite healthy and that the rain suited them. Since that we have not heard from him, but we have written to enquire what progress the plants have made up to date. The reply we receive will be forwarded to Mr. MACMILLAN, for his information.

Recorded.

Hardwickia seed.—Read letter from Dr. GEORGE KING, Superintendent, Royal Botanic Gardens, Calcutta, asking for seed of Hardwickia binata.

Replied that the Forest Officer in charge of the Madras Circle, will be communicated with as no seed is procurable locally.

Read letter from the Conservator of Forests, Central Circle, stating that our request will be complied with next April, no seed being procurable before that date.

Copy of the above forwarded to Dr. G. KING for his information.

Rain tree measure.—Read letter from the Hon'ble Mr. A. T. ARUNDEL, Searles Garden, Adyar, dated 27th

* Page 137, Proceedigs July to September, 1891.

November 1897 forwarding the measurements of the two Rain trees which he planted in his garden at the end of 1892 :—

	Measured. 9th Nov. 93.	Measured. 9th Dec. 94.	Measured. 28th Nov. 95.	Measured. 28th Nov. 96.	Measured. 27th Nov. 97.
Westerly tree.	6¾″	17″	2′ 1″	2′ 9¾″	3′ 6½″
Easterly tree.	×	16″	1′ 10½″	2′ 5¾″	3′ 3″

Recorded with thanks.

Rubber plants.—Read letterfrom Mr. W. E. UNDERWOOD, District Engineer, Madura asking for plants of Para Rubber, Hevea braziliensis, as the seeds we sent to him some time ago failed to germinate.

Complied with as far as our stock permitted, only a few of the Rubber seeds germinated with us. We have twelve more plants in hand for Members to experiment with if suitable sites can be found.

Rainfall.—During the month 6 inches 82 cents fell in 7 days as registered by the garden Rain-gauge.

Financial Statement for November, 1897. Read and passed.

G. M. J. MOORE,

Chairman.

A. G. BOURNE,

Honorary Secretary.

Proceedings of the Members of the Committee of the Agri-Horticultural Society, Madras, for December, 1897.

Circulated, 5th January, to the Members of the Committee for perusal.

The following contributions were made to the library :—

Kew Bulletin of Miscellaneous Information. Appendix III of 1897 and 1 of 1898, from the Royal Gardens, Kew.

Report of the Department of Land Records and Agriculture, Burma, for the year ending 31st March, 1897, from the Director of the Department.

Queensland Agricultural journal for October and November, 1897, from the Agricultural College, Galton.

The Agricultural Ledgers for 1897 :—Nos. 10, Horns, and Horn-work; 11, Burma silk, 12, Embankments; 13, Ret? 14, Teak; 15, Bone-Dust manure; and 16, Puccinia Rust, from the Editor, Dr. G. Watt.

Records of the Geological Survey of India Vol. XXV, part 4, from the Director of the Department.

Annual Report of the Tenasserim Agri-Horticultural Society of Moulmein for 1896-97, from the Honorary Secretary of the Society.

Planting opinion, for November, 27th. and December, 4th, 11th, 18th, and 25th, from the Editor, Mr. E. C. Duff.

Resolution on the Management of the District Gardens in the Central Provinces for 1896-97, from the Chief Commissioner, Revenue Department, Central Provinces.

Indian Gardening for November, 11th, 18th, 25th, and December, 2nd, 9th, and 16th, from Mr. St. J. Jackson, the Editor.

Experiment Station Record, Vol. IX, No. 2, from the Director, U. S. Department of Agriculture, Washington.

Proceedings and Journal of the Agri-Horticultural Society, Calcutta, for July to September, 1897, from the Secretary of the Society.

Final Report of the Agricultural Chemist to the Government of India.

Tropical Agriculturist for December, 1897, from Messrs. A. M. and J. Ferguson, the Editors and publishers.

Bulletin of the Botanical Department, Jamaica, for July—September, 1897, from Mr. W. Fawcett, Botanical Department, Jamaica.

Indian Forester, for November, 1897, from the Editor, Mr. J. W. Oliver, Dehra Dun.

Messrs. Damman & Co.'s Catalogue of seeds and plants, No. 97 for 1897-98.

The following contributions were made to the Gardens :—

Seed of Aristolochia gigas, and Pentaclethra filamentosa, from the Director, Botanic Gardens, Trinidad.

Seed of Phœnix rupicola, from the Superintendent, Royal Botanic Gardens, Calcutta.

Seed of Phajus Wallichii, Kæmpferia scaposa, and Smithia purpurea from Mr. G. M. Woodrow, College of Science, Poona.

Seed of Ptychoraphis augusta and Bentinckia nicobarica, from Mr. E. H. Man, Port Blair, Andamans.

A packet of Shallot seed, from Mr. W. Gollan, Superintendent Government Botanic Gardens, Saharanpur.

One packet of Nilgiri Nettle, from Mr. R. L. Proudlock, Curator, Government Botanic Gardens, Ooty.

Palm seeds from Port Blair.—Read the following letter from Mr. E. H. Man : "By this opportunity I am sending you a package containing a supply of seed of the Ptychoraphis augusta and Bentinckia nicobarica. The former is oval and grayish in

color, while the latter is blackish and nearly round. These seeds take several weeks to germinate, but I think you will find the plants raised from them hardier than seedlings which have been sent to you from here."

Trees shrubs, &c., in flower and fruit in the gardens.

In flower:—

Passiflora serratifolia
,, laurifolia
,, holosericea
Gouania domingensis
Tristellateia australlasica
Alstonia scholaris
Montanoa bipinnatifida
Meyenia erecta
Barleria cristata
Malpighia heteranthera
Sapindus fruticosus
Plumbago rosea
Glycosmis pentaphylla
Filicium decipiens
Acacia Sundra
Bignonia suberosa
Dædalacanthus nervosus
Ipomæa tuberosa
Mimusops hexandra
Pisonia aculeata
Parkia Roxburghii
Brownea coccinea
Rhus mysorensis
Artabotrys odoratissimus
Myroxylon toluiferum
Brunfelsia americana
Hiptage madablota
Aristolochia leuconeuron
,, ridicula
Eucharis candida
Naravelia zeylanica
Dombeya angulata
Helicteris isora
Parmentiera cerifera
Aphelandra cristata
Tectona grandis
Tecoma diversifolia

In green fruit:—

Aegle marmelos
Bridelia retusa
Bauhinia acuminata
,, tomentosa
Sterculia fœtida
Cæsalpinia coriaria
Stereospermum chelonoides
Cæsalpinia Sappan
Wrightia molissima
Stephegyne parviflora
Carica papaya
Bignonia suberosa
Mimusops Elengi
Kigelia pinnata
Cassia Roxburghii
Casuarina muricata
Orchipeda fœtida
Tanghinia venenifera
Cassia fistula
Tamarindus indicus
Bauhinia purpurea
Diospyros decandra
Gauzuma tomentosa
Feronia elephantum
Poinciana regia
,, pulcherrima
Moringa pterygosperma
Corypha umbraculifera
Vangueria edulis
Bignonia megapotamica
Acacia auriculiformis
Pterospermum Heyneanum
,, suberifolium
Atalantia monophylla
Terminalia paniculata

With ripe fruit:—

Adenanthera pavonina
Achras Sapota
Terminalia Arjuna
Heterophragma adenophylla
Bixa orellana
Livistona mauritiana

FINANCIAL STATEMENT FOR OCTOBER TO DECEMBER, 1897.

RECEIPTS.	Amount.	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs. Binny & Co., on 30th September, 1897 ...	1,365 9 6		As per statement annexed ...	.....	2,152 11 3
Cash in hand for transmission to the bank on 30th September, 1897 ...	117 8 0		Balance with Messrs. Binny & Co., on 31st December, 1897 ...	1,375 5 5	
Do. petty cash do ...	29 9 5		Cash in hand for transmission to 31st December, 1897 ...	172 3 6	
		1,512 10 11			
By sale of seeds during October, to December, 1897 ...	628 1 5		Cash in hand, petty cash to 31st December, 1897 ...	17 9 2	
Do. plants do ...	331 12 0				
Do. sundries do ...	189 5 0				1,565 2 1
By subscription from Members do ...	306 0 0				
By Government Monthly Grant. ...	750 0 0				
		2,205 2 5			
Total Rupees...	.....	3,717 13 4	Total Rupees...	.....	3,717 13 4

Agri-Horticultural Society,
Madras, *4th January*, 1898.

A. G. BOURNE,
Honorary Secretary.

Particulars of Expenses, October to December, 1897.

	RS.	A.	P.
Pay of Establishment	1,041	4	10
„ Coolies	154	1	0
Seeds purchased	147	13	0
„ English	182	8	7
Plants „	73	11	8
Flowers „	27	8	0
Pots, manure, &c.	115	12	0
Garden requisities	16	5	6
Repairs to gate, potting shed, &c.	15	15	0
Books and periodicals	34	13	0
Printing and advertising	29	12	0
House, water and lighting tax	22	14	0
Red-Hills water supply	100	9	11
Quit-rent for Cocoanut tope	4	10	6
Postage on letters, proceedings, and local Botanical gardens and seeds to foreign	24	9	0
Rail charges, Packing, &c.	160	7	3
Total Rupees ...	2,152	11	3

Financial Statement for December, 1897, and October to December, 1897. Read and passed.

A. G. BOURNE,

Honorary Secretary.

Proceedings of the Annual General Meeting of the Agri-Horticultural Society of Madras, for 1897, held on the 28th March, 1898, at 7 a.m.

PRESENT :

COLONEL SIR GEORGE M. MOORE, *Kt.* C.I.E.

THE HON. MR. JUSTICE R. S. BENSON.	RAI BAHADOOR A. THANAKOTY MOODELLYAR.
C. MICHIE SMITH, ESQ.	E. B. POWELL, ESQ.
DR. A. G. BOURNE (*Honorary Secretary*).	J. H. LEFANU, ESQ.

It was proposed by the Hon. Mr. Justice BENSON, seconded by Mr. MICHIE-SMITH, and carried unanimously that Colonel Sir George MOORE do take the chair.

The Honorary Secretary at the request of the Chairman read the following report for 1897 :—

The Monthly Rain Report of Madras for 1897.

MONTH.	DATE ON WHICH RAIN FELL.		INCHES & CENTS.
January ...	2nd, 3rd & 4th	...	0·46
February ...	14th to 16th & 18th to 19th	...	0·53
March ...	28th	...	0·6
April ...	16th	...	0·7
May ...	2nd	...	0·18
June ...	3rd	2·12...	3·21
	11th & 12th	0·89...	
	17th, to 19th	0·20 ..	
July ...	3rd, 7th to 9th	0·33...	2·37
	15th. 17th & 19th	0·8...	
	21st to 23rd	1·53...	
	28th	0·43...	
August ...	1st, 5th to 7th	1·34...	7·83
	9th, 10th, 14th	0·56...	
	16th to 20th	0·72...	
	25th & 26th	2·93...	
	28th, 29th & 31st	2·28...	
September ...	1st & 2nd, 4th to 10th	5·82...	11·01
	17th, 20th to 23rd	3·85...	
	25th to 30th	1·34...	
October ...	1st, 6th, 8th, 14th, & 24th	...	3·56
November ...	1st & 2nd	0·64...	7·50
	17th, 18th & 25th to 30th	6·86...	
December ...	14th & 15th, 18th & 19th, 26th to 31st	30th &	1·69
	Total number of rainy days 51...		38·47

Water Supply.—The Red-Hills water supplied by the Madras Municipality to both gardens during the year amounted to 4,290, 400 gallons, as follows :—

	West Gardens.	East or Nursery.
January	247,200	41,800
February	254,700	41,700
March	278,900	70,400
April	365,200	90,500
May	376,000	109,000
June	400,600	124,000
July	306,400	106,000
August	213,500	78,000
September	159,700	42,000
October	309,700	66,000
November	269,000	76,000
December	215,100	49,000
Total Gallons...	3,396,000	894,400
Grand Total ...	4,290,400	

3,396,000 gallons to the West gardens at a cost of Rs. 377-5-4 and 894,400 gallons to the East or Nursery gardens at a cost of Rs. 99-6-0. In all Rs. 476-11-4.

Government Grant.—The monthly allowance of Rs. 250, the extra grant of Rs. 500, have been received. A budget estimate for 1898-99 was submitted on the 11th August, 1897, and the usual amount of Rs. 4,000 was sanctioned by the Government (*vide* G. O. No. 651, Financial, Dated 18th August 1897). The Committee desires to record its thanks to the Government for their liberal grant.

Income and Expediture.—The income of the Society in 1897, from all sources amounted to Rs. 9,709-2-3 and the expenditure Rs. 10,173-4-9* Details will be found in the statements attached to this report.

* Exclusive of Government grant of Rs. 500, for Flower Show.

Agency.—Enquiries were made during the year for various economic plants and the undermentioned were procured and supplied:—

Cedrela odorata	Hevea braziliensis
Nutmeg, Myristica moschata	Isonandra acuminata
Kola, Cola acuminata	Theobroma cocao
Chunar Paddy	Blue gum—Eucalyptus globulus
Reana luxurians	Nalkanaad Coffee

Coffea stenophylla, Carolina paddy, Castilloa elastica, Kangaroo grass, &c., were unprocurable. Efforts will be made to obtain seeds of these in the near future.

Gardeners.—During the year nine gardeners were engaged for gardens in the neighbourhood.

Seeds, Plants, &c., distributed to Members, Botanical Gardens and Sold.

	To Members.	To Botanic gardens.	Sold.
Aristolochia grandiflora ...	15 plants	...	...
Climbers of sorts ...	143 ,,	...	75 plants
Cola acuminata ...	5 ,,	13 seeds	...
Myristica moschata ...	3 ,,	4 plants	485 seeds
Pithecolobium polycephalum ...	4 ,,	...	...
Cinnamomum camphora ...	4 ,,	2 plants	...
Fruit trees and other economic plants ...	63 ,,	22 ,,	60 plants
Timber and avenue trees ...	118 ,,	...	...
Palms ...	180 ,,	15 plants	112 plants
Foliage and flowering shrubs ...	948 ,,	268 ,,	2,011 ,,
Erythroxylon Coca ...	...	200 ,, and 1½ oz. seed.	...
Victoria regia ...	...	20 seeds	6 seeds
Hevea braziliensis ...	...	245 ,, and 10 plants	100 ,,
Tenasserim orchids ...		78 ,,	...
Mango grafts ...	..	...	168 plants
Crotons ...		...	184 ,,
Notonia grandiflora ...	..	...	70 ,,
Bread fruit ...	...	63 seeds	...

	To Members.	To Botanic gardens.	Sold.
Sapodilla fruits ...	248 fruits	...	...
Vegetable seeds ...	1,405 packets	...	1,191 packets
Flower seeds ...	871 ,,	...	866 ,,
Tree and shrub seeds ...	...	646 packets	...
			lb. oz.
Casuarina seed ...	...	...	30 2
Cassia auriculata seed ...	...	...	15 0
Reana luxurians seed ...	...	...	1 0
Inga dulce seed ...	...	...	110 0
Hurrialee grass seed ...	...	1 lb. 0 oz.	20 0½
Lucerne seed ...	...	...	21 10
Divi-Divi seed ...	...	...	2 1½
Guinea grass seed ...	...	...	0 4
Albizzia moluccana seed ...	...	...	0 15½
Silky oak seed ...	...	...	3 0
Cedrela odorata seed ...	...	...	0 12
Plants lent out for decoration ...	...	...	1,618 plants
Wreaths, bouquets, crosses and baskets of cut flowers ...	...	...	456
Realised by the sale of Sorghum, Maize, Tobacco, Indigo and Rain tree and other tree seeds ...	...	...	Rs. 45- 3-0
Botanical specimens supplied to the value of ...	...	...	,, 33-12-0
Mangoes, oranges, firewood, &c., sold to the value of ...	...	...	,, 32-9-6

Acknowledgments.—The Committee have great pleasure in recording their thanks to Messrs. J. W. Minchin, A.D.J. Achart, H. B. Wintetbotham, H. S. Ferguson, R. N. Lyne, C. McDougal Peache, W. G. Broadway, E. H. Man, T. J. Ferguson, W. Fox, J. Phillips, W. Hamilton-Holmes, W. E, Gilbert, H. F Macmillan and the Hon'ble Mr. A. T. Arundel for communications made to the Society during the year.

Exchange of Publications.—Copies of our Proceedings and Annual Report were sent to the Government of India, to Kew, to the Principal Botanic Gardens at home, in India, and the colonies, to each of our correspondents and to all members of the Committee.

Library.—The following books and periodicals have been added to the Library during 1897 :—

1. Received gratuitously.

Kew Bulletin of Miscellaneous Information for 1897.
Tropical Agriculturist for 1897.
Indian Forester for 1897.
Agricultural Ledgers for 1895-96-97.
Planting opinion for 1897.
Experiment Station Record for 1896-97.
Plants of the swamps of Bombay by Mr. Woodrow, part 1. 1897.
Synopsis of the Flora of W. India by Mr. Woodrow, part 1, 1897.
Memorandum on Rhea Fibre plant, by Mr. Cameron.
Indian Gardening for 1897.
Monograph on Dyes and Dyeing in Bengal by N. N. Benerjee 1896.
Year Book of the Dept. of Agriculture, Washington, 1896.
Revue Agricole et de la chambre D'Agriculture L'Ile Maurice for 1897.
Journal of the Royal Horticultural Society parts of Vols. XX and XXI.
Hookers Flora of British India, Vol. VII, part XXII.
Records of the Geological Survey of India.
Memoirs of the Geological Survey of India.
Memoirs of the Botanical Survey of India, Part 8 of Vol. I.
Journal of The Agri Horticultural Society of India, 1896-97.
Bulletin of the Dept. of L. Records and Agriculture, Madras.
Do. do. Punjab, No. 1.
Do. do. Bengal, No. 3.
Do. do. N. W. P. & Oudh, No. 6.
Queensland Agricultural Journal for 1878.
Bulletin of the Dept. of Agriculture, Brisbane for 1897.
Do. University of California for 1897.
Bulletin of the Botanical Gardens, Trinidad for 1897.
Do. Jamaica for 1897.
Do. Agricultural, Dept. Malay Peninsula for 1897.
Reports of the various Botanical Gardens for 1896-97, &c.

2. Acquired by Purchase

Botanical Magazine for 1897.

Gardeners' Chronicle for 1897.

Indian Agriculturist for 1897.

Hooker's Icones Plantarum, part, 4 of Vol. V. and 1 of VI (new series).

Flower Show.—The flower show held in February, 1897, was dealt with in the Proceedings for February, 1897. The receipt at the gate from 7 A.M. to 12 noon was Rs. 456, from 12 noon to 4 P.M. Rs. 195, and from 4 to 6 P.M., Rs. 172. Total Rs. 823-6-0. The average receipt during the last 8 years being Rs. 765-7-0.

Committee Members.—No change occured in the Committee during the year.

Colonel Sir George M. MOORE, *Kt.* C.I.E. and Dr. A. G. BOURNE continued to hold the office of Chairman and Honorary Secretary, respectively throughout the year.

Ex: Officio Member.—The Hon'ble Mr. H. M. WINTERBOTHAM, having returned from furlough, resumed the *Ex-Officio* Membership of the Society from April, 1897.

Subscribing Members—During the year 12 members joined the Society, 8 resigned, 10 were absent and 2 died. The total number of members at the end of 1896 was 79 (56 A Class and 23 B, Class) and at the end of 1897, 75 (56 A and 19 B).

Additions to the Collection of Plants.

Hibiscus elatus	...	Botanical Gardens, Jamaica
Albizzia moluccana	...	Do. Buitenzorg, Java.
Singapore Cocoanut	...	Mr. Karikrishna Pillay, Madras.
Kola nut	...	The Director Botanical Garden, Grenada.
Hibiscus, hybrid vars.	...	Revd. E. Benzieger, Kandy
Cæsalpinia minor	...	Botanic Gardens, Calcutta.
Milletia sp.	...	The Director, School of Agriculture, Colombo.

Stigmaphyllum ciliatum	...	Botanical Gardens, Jamaica.
Antigonon insigne	...	Surgeon Capt. Sturmer, Madras.
Conjea azurea	...	Mr. R. Branson, Madras.
Anona Cherimolia	...	Dr. A. G. Bourne, Madras.
Ptychoraphis augusta	...	E. H. Man, Esq., Port Blair.
A collection of Ferns	...	Mr. J. Cameron, Bangalore.
Dendrobium Dalhousianum.		Tenasserim Agri-Horticultural Society, Moulmein.
Do. aggregatum	...	Dendrobium albo sanguinea.
Do. Pierardii	...	Do. infundibulum.
Do. luteolum	...	
Do. chrysotoxum	...	Cypripedium concolor.
Do. tortile roseum	...	Vanda gigantea.
Do. densiflora	...	Saccolabium cunifolium.
Do. crassinode	...	Do. Blumai major.
Do. cretaceum	...	Ærides roseum.

Exchange of Seeds and Plants.—During the year seeds and plants were received from :—

Anderson, George, Esq., Quilon.
Bourne, Dr. A. G., Adyar, Madras
Branson, Reddy, Esq., Teynampett, Madras.
Benzieger, Rev. E., Kandy.
British Guiana, the Director, Botanic Gardens.
Broadway, W. E., Esq., Botanic Gardens, Grenada.
Cameron, J., Esq., Lal Bagh, Bangalore.
Colombo School of Agriculture, Director of the
Dammann & Co., Naples.
Duff, E. C., Esq., Coonoor.
Ferguson, T. J., Esq., Calicut.
Ferguson, H. S., Esq., Director, Public Parks and Museum, Trevandrum.
Gerrard, F. W., Esq., Sidapur.
Gollan, W., Esq., Superintendent, Government Botanic Gardens, Saharanpur.
Hart, J. H., Esq., Superintendent, Royal Botanic Gardens, Trinidad.
Fawcett, W., Esq., Superintendent, Public Gardens, Jamaica.

Holmes, W. H., Esq., Bangalore.

Java, the Director Botanic Gardens, Buitenzorg.

King, Dr. George, M.B., &c., Curator, Royal Botanic Gardens, Calcutta.

Keess, W., Esq., Principal, Agricultural College, Saidapett.

Krumbiegel, J., Esq., Superintendent, Public Gardens, Baroda.

Karikrishna Pillay, T. Mr., Teynampett.

Moore, Charles, Esq., Director, Botanic Gardens, Sydney.

Man, E. H., Esq., Port Blair.

Proudlock, R. L., Esq., Curator, Government Botanic Gardens, Ootacamund.

Prain, Dr. D., Botanic Gardens, Calcutta.

Peache, C. MacDougal Esq., Secretary, Agri-Horticultural Society Moulmein.

Storey, T. H., Esq., Superintendent, Sajjan Niwas gardens, Oodeypore.

Shaw, E. E., Esq, Dindigul.

Stephen, J. H., Esq., Superintendent, Nagpur Horticultural Gardens.

Sturmer, Surgeon Lt.-Col. Teynampett, Madras.

Saigon, the Director, Botanic Gardens, Cochin-China.

Wood, J. Medley, Esq., Curator, Botanic Gardens, Durban, Natal.

Woodrow, G. M., Esq., College of Science, Poonah.

Willis, J. C., Director, Royal Botanic Gardens, Peradeniya.

Seeds and plants forwarded during 1897 to :—

Abbot, F., Esq., Superintendent, Botanical Gardens, Hobart Town

Administrator Der, Deli, Maatschappij, Medan.

Anderson, George, Esq., Quilon.

Achart, A. D. J., Esq., Curator, Public gardens, Pondicherry.

Bobbili, H. H., the Maharajah of, C.I.E.

Berlin, the Director Botanic Gardens.

Broadway, W. E., Esq., Curator, Botanic Gardens, Grenada.

Beck, J., Esq., Superintendent, State gardens, Morvi.

Case, Surgeon Captain W., Durban, Natal.

Cameron, John, Esq., Superintendent, Lal Bagh, Bangalore.

Colombo, The Superintendent, School of Agriculture.

Cornu, Proff. Maximu, Director, Musuems and gardens, Paris.

Dyer, W. T., Thiselton, Esq., Director, Royal gardens, Kew.

Ellis, Mr. C. J. H., Superintendent, Peoples' Park, Madras.

Finlayson, J L., Esq., Coorg.

Ferguson, T. J., Esq , Calicut.

Fawcett, W., Esq., Superintendent, Public Gardens, Jamaica.

Ferguson. H. S., Esq., Director, Public Gardens and Museum, Trevandrum.

Gray, Charles, Esq., Coonoor.

Guilfoyle, W. R., Esq., Director, Botanic Gardens, Melbourne.

Gollan, W. Esq., Superintendent, Government Botanic Gardens, Saharanpur.

Hodson, George, Esq., Bangalore.

Holtze, Maurice, Esq., F.L.S., Director, Botanic Gardens, Adelaide.

Hilgard, E W., Esq., Botanic Gardens, California.

Hart, J. H., Esq., Superintendent, Royal Botanic Gardens, Trinidad.

Jenman, G. S., Esq., Director, Botanic Gardens, George Town, British Guiana.

Java, the Director, Botanic Gardens, Buitenzorg.

Krumbiegel, J., Esq., Superintendent, Public Park, Baroda.

King Dr. George, M.B., &c., Superintendent, Royal Botanic Gardens, Calcutta.

Keess, W., Esq., Saidapet.

Krishnamacharry, M.R.Ry. S. T.

Lancaster, P., Esq., Secretary, Agri-Horticultural Society, Calcutta.

Mc. Nair, James, Esq., Superintendent, Botanic Gardens, British Honduras.

Maries, C., Esq., Superintendent, Rajah's Gardens, Gwalior.

Minchin, J. W., Esq., Honorary Secretary, Nilgiri Agri-Horticultural Society, Coonoor.

Macmillan, J., Esq., Curator, Royal Botanic Gardens, Peradeniya, Ceylon.

Man, E. H., Esq., Port Blair, Andaman Islands.

Moore Charles, Esq., Director, Botanic Gardens, Sydney.

Muddukrishna Yachandra Bahadoor Rajah V, Venkatagiri.

Munro, Mrs. Peermaad.

Napier, A. S., Esq., Bezwada.

Paul, J., Esq., Superintendent, Cossipore Horticultural Gardens.

Peache, C., MacDougal, Honorary Secretary, Moulmein Agri-Horticultural Society.

Proudlock, R. L., Esq., Curator, Government Botanic Gardens, Ootacamund.

Pritchard, S., Esq , Yercaud.

Rungasamy Moodellyar, S. T., Cuddalore.
Ridley, M., Esq., Superintendent Horticultural Gardens, Lucknow.
Stephen, J.H., Esq., Superintendent, Horticultural Gardens, Nagpur.
Storey, T. H., Esq., Superintendent, Maharajah's Gardens, Oodeyapoore.
Sandoor, H. H., The Rajah of
St. Petersburgh, the Director, Imperial Botanic Gardens.
Thorn, H., Esq., Superintendent Maharajah's Gardens, Durbungah.
Tilson, A. G., Esq., Curator, Botanic Gardens, Antigua. Leeward Islands.
Underwood, W. E., Esq., Madura,
Wood, J. Medley, Esq , Curator, Botanic Gardens, Durban, Natal.
Woodrow, G. M., Esq., College of Science, Poonah.
Wellington, the Director, Botanic Gardens.

FINANCIAL STATEMENT FOR 1897

Receipts

	Rs.	A.	P.	Rs.	A.	P.
Balance with Messrs. Binny & Co., on 31-12-96	1,802	5	2			
Cash in hand for transmission to the Bank on 31-12-96 ...	145	1	0			
Cash in hand for petty cash on 31-12-96.	81	14	5			
				2,029	4	7
By sale of Seeds during 1897 ...	1,212	12	8			
,, Plants ,, ...	1,094	0	0			
,, Sundries ,, ...	816	6	7			
,, Admission ticket at Flower Show	823	6	0			
By Loan of Plants	230	1	0			
By Planting Museum grounds ...	645	12	0			
				4,822	6	3
By Subscription from Members ...	...			1,386	12	0
By Government Monthly Grant ...	...			3,000	0	0
,, Extra Grant ...	...			500	0	0
Total Rupees.				11,738	6	10

Expenditure.

	Rs.	A.	P.	Rs.	A.	P.
Expenses as per statement annexed ...	...			10,173	4	9
Balance with Messrs. Binny & Co., on 31-12-97	1,375	5	5			
Balance in hand for transmission to the Bank on 31-12-97... ...	172	3	6			
„ in hand for petty cash on 31-12-97	17	9	2			
				1,565	2	1
Total Rupees.				11,738	6	10

Examined and found correct.

A. G. NORTON-KNIGHT,

16-5-98. *Auditor.*

Particulars of Expenses. 1897.

	Rs.	A.	P.	Rs.	A.	P.
Fixed Establishment	...			4,207	0	4
Coolies	...			686	9	0
Seeds imported	821	9	7			
„ purchased locally	404	7	6			
				1,226	1	1
Plants	...			255	7	4
Flowers	...			70	4	0
Pots, manure, sand, &c.	...			238	10	0
Garden requisites	...			103	11	9
Red-Hills water supply	...			437	12	3
Municipal House, water, and lighting tax	.			45	12	0
Quit-rent for Cocoanut tope ...	...			4	10	6
Repairs to office, fernery, potting sheds, gate, &c.	...			261	15	6
Books, periodicals and binding charges	..			145	10	9
Printing and advertising	...			247	7	0
Postage on letters, proceedings and seeds	...			87	14	6
*Museum Planting expenses ..	...			157	7	7
Rail charge, packing, cart and coolv hires, and other petty expenses ...	...			698	11	0

* For 1896, Rs. 159-8-0.

Flower Show.	Refreshment	136	14	2	..	
	Printing and Advertising.	67	15	0	...	
	General Expenses ...	62	2	0	...	
	Decoration of gate, Barrier and lifting up tents ...	47	13	0	..	
	Conveyance of tents, tables, &c., to and fro ..	202	6	0	.	
	Prizes and medals ..	733	2	0	..	
	Valuation of Tea and silk.	48	0	0	...	
					1,298	4 2
	Total Rupees ...				10.173	4 9

The following gentleman were elected Members of the Committee for the ensuing year :—

Benson, The Hon. Mr. Justice, R. S.	Sibthorpe, Surgeon-General. C.
Duncan, The Hon. Dr. D.	Sturrock, Hon. Mr. J.
Hammick, M., Esq.	Smith, C. Michie, Esq.
Moore, Colonel. Sir George, M. *Kt.* C.I.E.	Winterbotham, Hon. Mr. H. M.
Powell, E. B., Esq.	West, Henry, C., Esq.
Sowden, C., Esq.	Williams, Rev. A. A.

Proposed by Mr. C. Michie Smith, seconded by Mr. Rao Bahadoor, A. Thanakoty Moodellyar, and carried unanimously that the report now read be adopted, printed and published.

Proposed by Mr. Rao Bahadoor Thanakoty Moodellyar, and seconded by Mr. E. B. Powell, and carried unanimously that Dr. A. G. Bourne, be invited to discharge the duties of Honorary Secretary.

Proposed by Dr. A. G. Bourne, seconded by Mr Michie Smith, and carried unanimously that a vote of thanks be accorded to Mr. Norton-Knight, for auditing the accounts of the Society for 1897.

Proposed by Col. Sir GEORGE M. MOORE, seconded by Mr. RAO BAHADOOR THANAKOTY MOODELLYAR, and carried unanimously that a vote of thanks be accorded to Dr. A. G. BOURNE, for his service as Honorary Secretary during 1897.

Proposed by The Hon. Mr. Justice R. S. BENSON, seconded by Mr. E. B. POWELL, and carried unanimously that a vote of thanks be accorded to the Chairman, Colonel Sir GEORGE M. MOORE, for his conduct in the chair.

MEMBERS OF THE SOCIETY ON 31st DECEMBER, 1897.

President :

His Excellency Sir Arthur HAVELOCK, G.C.M.G.

Honorary Members.

Bernays, L. A., Esq.
Ferrier, General, J. P.
Hooker Sir J. D., K.C.S.I., C.B., &c.

Extraordinary Members.

Benson, Lieut.-General R.
Bidie, Surgeon-General G., C.S.I.
Cox, Colonel H. W. H.
Duff, Sir M. E. Grant, G.C.S.I.
Lawson, Sir Charles A.
Steavenson, Joseph, Esq.
Thanakoty Mudlr. Rao Bahadur, A.
Whiteside, W. S., Esq.

Subscribing Members (A Class).

Arundel, The Hon. Mr. A. T.
Bobbili, H. H. The Rajah of, C.S.I.
Bishop, The Right Rev. Lord of Madras.
Branson, Reddy, Esq.
Beck, J., Esq.
Branfoot, Surgeon-Lieut. Col. A. M.
Buckley, Ll. E., Esq.
Benson, The Hon. Mr. Justice, R. S.
Bannerman, Surgeon-Captain.
Browne, Surgeon-Lieut.-Col. W. R.
Batten, T. K., Esq.
Cowie, D. W. G., Esq.
Collins, The Hon. Chief Justice Sir Arthur, Kt. C. I. E.
Davis, The Hon. Mr. Justice, J. A.
Duncan, The Hon. Dr. D., M.A.
Elialvar Naidoo, P., Esq
Ferguson, T. J., Esq.
Gajputhee Row, Sree Rajah Sahib, G. N., C.I.E.
Grose, The Hon. Mr. J., M.A.
Hammick, M., Esq.
Havelock, H. E. Sir Arthur, G.C.M.G.
Hughes, W., Esq.
Keess, W., Esq.
Krishnamacharrya, S. T., Esq.
King, Lieut.-Col. R. A. J. (late).
Mansfield, A., Esq.
Moore, Col. Sir George, M., *Kt.* C.I.E.
Mahamud Sheriff Khan Bahadur, Hon'ble.
Muddukrishna Yachandra Bahadur, Rajah V.
Murdoch, D. D., Esq.
Norton, Eardley, Esq.
Napier, A. S., Esq.
Oakes, A. W. D., Esq.
Oakes, W. H., Esq.
Orr, Southerland, Esq.
Ormerod, H. Esq.
Powell, E. B., Esq.
Rajah of Ramnaad.
Rajah of Parlakemedy.
Robertson, Surgeon-Captain R.
Rosling, A. W., Esq.
Romilly, George, Esq.
Subramanya Iyer, P., Esq.
Simon Friz, Theo., Esq.
Smith, C. Michie, Esq.
Sturrock, The Hon. Mr. J.
Stiramulu Pantulu Dasu, Esq.
Sim, H. A., Esq.
Sowden, C., Esq.
Spoor, J. L., Esq.
Taylor, W., Esq.
Travancore H. H. The Maharaja of, G.C.I.E.
Venugoty, Venugopala K. Yachandra Bahadur.
Williams, Rev., A. A.
Winterbotham, Hon. Mr. H. M.
Zemindar of Ettayapuram.

Subscribing Members (B Class).

Bourne, Dr. A. G.
Bliss, The Hon. Sir H. W. *Kt.* C.I.E.
Deane, G. W , Esq.
Duff, E. C., Esq.
Formby, Captain R. F. R
Feast, Rev. R. B.
Giffard, Surgeon-Captain G. G.
Leighton, D. E. W., Esq.
Lawson, A. E., Esq.
Maitland, Surgeon-Lieut.-Col. J.
Mahamud Sufther Hussain Sahib.
Narain Row, K. Esq.
St. Leger, W. D., Esq.
Shaw, W. S., Esq.
Sibthorpe, Surgeon-GeneralC.
Stradiot, E., Esq.
Vasudeva Row, R. H., Esq.
Van Geyzel, Surgeon-Major.
West, Henry C., Esq.

Proceedings of the Agri-Horticultural Society, for January, 1898, held on Monday, the 7th February, 1898, at 7 a.m.

PRESENT:

THE HON. DR. D. DUNCAN. | E. B. POWELL, Esq.
HENRY C. WEST, Esq. | COLONEL SIR GEO. MOORE (*in the chair.*)

Dr. A. G. BOURNE (*Honorary Secretary.*)

The following contributions were made to the Library:—

Bulletin of the Botanical Department, Jamaica, for October, November 1897, from the Director of the Gardens.

Queensland Agricultural Journal, December, 1898, from the Principal, Agricultural College, Galton.

Agricultural Ledger, 1897, No. 17, Calotropis gigantea, from the Editor, Dr. G. WATT, Calcutta.

Indian Forester for December, 1897, from the Editor.

Hand-Books of Commercial Products, No. 10, Adhatoda Vasica by David Hooper.

Indian Gardening, December 23rd & 30th, January, 6th, 13th & 20th, from the Editor, Calcutta.

Planting Opinion, January, 1898, 15th and 22nd and 29th, from Mr. E. C. DUFF, Editor, Coonoor.

Sutton's Amateurs' Guide in Horticulture for 1898.

Vilmorin Andrieux & Co's. General wholesale seedlist 1897-98.

Tropical Agricultural, January, 1898, from the Publishers.

Catalogue of plants, bulbs, flower seeds offered for sale by Mr. A. ALFRED, Parsons, Simla.

The 'Shamba,' a JOURNAL of Agriculture for Zanzibar, December, 1897.

Journal of the Royal Horticultural Society, for December, 1897, from the Secretary.

The following contributions were made to the Gardens during the month:—

Two plants of Carica papaya from Mr. W. GORDON, Nungumbakum.

Twelve dozen assorted Canna seed from C. hybrida grandiflora from H. S. FERGUSON, Esq., Trevandrum.

A packet of seed of Tithonia diversifolia from Mr. H. MACMILLAN Curator, Botanic Gardens, Peradeniya.

Two Packets of finest Sumatra Tobacco seed from De Administratredar, Delhi, Mattschappij, Medan. Sumatra.

Camphor plants.—Read letter from Mr. L. W. GREY, Pykara, Nilgiris, dated 31st December, 1897, asking for 2 plants of Cinnamomum camphora for trial at his estate. The elevation of Pykara is 3,000 feet, and the average of rainfall is 60 inches.

Read also letter from Mr. T. THOMPSON, Shanevarsante, Coorg, dated 8th January, asking for a Camphor plant, and stating that the elevation of his estate is 3,400 feet and the rainfall about 65 to 70 inches.

Two plants were despatched to Mr. GREY, and one to Mr. T. THOMPSON as requested.

Para Rubber.—Read the following letter from Mr. T. J. FERGUSON, Calicut, dated 5th January, 1898, about Castilloa rubber :—

"I am anxious to propagate plants of Castilloa elastica Central American rubber from cuttings as my trees seldom or ever seed and I have never been able to save any seed from these trees while the Heveas, Para Rubber, seeds freely.

When these Rubbers were first introduced here I undertook to experiment on the best plan of propagating the plants rapidly from cuttings, but I failed.

The late Mr. LAWSON, at the request of Government, came here to look into this matter and to advise me on the subject and my opinion being that we could not propagate by cuttings except by having a propagating house with bottom heat : but this Mr. LAWSON, stated was unnecessary : he spent several days with me here and planted many hundreds of cuttings of the Castilloa in small pots in much the same manner as I had previously done. I took the greatest personal care of the cuttings but all died, not one cutting had formed a callus, and an expenditure of Rs. 784 and much valuable time were lost, as Government would not sanction my building, a small propogating house with hot-bed to start the cuttings.

If you can give me any suggestion or information in this connection I will be greatly obliged.

In the case of planting cuttings, here, it appears to me the sap is drawn up and no callus is formed. I find this with Roses and many other plants, but I think the use of bottom heat would overcome this difficulty? If so what would be the best form of applying bottom heat here or in Wynaad for propagating purposes? a stove or a hot bed? and with a suitable propagating house and a trained man to attend to it, could the work be carried on at all seasons of the year?

Mr. Ferguson has been asked to send some cuttings of Castilloa elastica—they will be tried in the gardens here and the results communicated to him.

Durian.—As there has been several requests of late years, for plants and fruits of the Durian, we wrote to Mr. Macmillan, Curator, Royal Botanic gardens, Peradeniya enquiring as to the most likely place where the Durian fruit could be procured.

Mr. Macmillan replies by kindly sending to us a cutting out of the Ceylon Observer of the 11th January, which is interesting enough to be inserted here.

Although the Durian (*Durio zebithinus*) may in one way or another be known to many of us, yet the opportunities of becoming acquainted with it in Ceylon are very few. This is much to be wondered at considering that in our comparatively near neighbourhood the Malay Peninsula and Islands—the tree is met with plentifully, both in its natural growth and in its cultivated state.

Any one who has lived for any length of time in the countries mentioned must perforce be acquainted with the name of Durian, and probably also with its flavour. There all the natives are born durian-eaters; even the dogs, cats, and tigers are said to be fond of it, and especially the civet cat, to entrap which it is often used as a bait; hence the specific name.

The durian fruit to the Malayan inhabitants has many wonderful attributes, however adversely its odour may be classified by people inclined to be delicate in the olfactory sense. Irrespective of drawbacks in this way—which in time may be considered trifling the craving of the natives for the fruit is simply insatiable; and, when in season, many families, not content with the local supply, remove from their homes and fix their abode temporarily, in fact camping out, in areas where the durian is found to be plentiful. Europeans also, notwithstanding the smell which is at first rather offensive (being likened unto putrefying rats combined with rotten onions!) soon come to regard the fruit with peculiar favour, and when once they acquire the necessary taste, which is usually after the third or fourth trial, it is said to replace all other delicacies in the way of fruit. In fact, it has been said that the sensation of eating durians is in itself worth coming to the East for; and some writers on the subject describe it as being "beyond question the

finest fruit in the world." It might be supposed too that it is also somewhat of a brain tonic, for Governors of Ceylon—notably Sir Arthur Gordon, and others performing mental work of a responsible character—have declared that there is nothing to beat a good Durian.

The Dutch ladies in Java are credited with having developed a considerable liking for it, and to be reported "eating durians" is often sufficient excuse for their non-appearance to visitors. A durian in general appearance is not unlike a small Jack fruit, though of course differing widely in its natural affinities. The chief point of resemblance between the Jack and durian is found in the peculiar, angularily-marked rind surface common to both, and which in the latter forms a complete covering of stout spines or prickles. In both cases the fruit is borne on the older branches and trunk; but this is also characteristic of very many other tropical trees. In shape, a durian fruit is somewhat oval, and about the size of a large cocoanut. So the danger of walking under durian trees when laden with fruit can be readily appreciated. Fortunately, however, the fruits usually fall at night, seldom during the day. The edible portion is the cream-coloured fleshy plup in which the seeds, which are about the size of nutmeg seeds, are embedded. The very mention of this plup is enough to bring water to the mouth of durian epicures! The flavour is certainly all its own and apparently defies adequate description. A combination of cream-cheese, Sherry wine, and onion sauce, and other similar incongruities, seems to convey the most general conception of it. Various notions exist as to

When the Fruit is Best for Eating.

Some say it should be left on the tree till ripe enough to drop or until it opens naturally. Very often, however, many of the fruits fall before reaching this stage either on account of their weight, wind, or heavy rain. But in many opinions this does not in the least detract from the quality of the fruit—provided the fall is not too early, of course—for it can be kept from a week to ten days to ripen.

For a novice to know whether a durian is fit for eating, it is only necessary to press the foot on it: if ripe, it opens at the growing end, showing five separate divisions. Those who are better accustomed to it, however, are guided more by the intensity of the odour which it emits, and of course, by the yellow tint the fruit assumes when ripe. Like almost all tropical fruits, the durian can also be used in the unripe state in a variety of ways as a vegetable: not even the seeds need be wasted, if not required for sowing. The conventional way of eating a durian is to retire to the bathroom or godown, with only nature's knife and fork (the fingers) to deal with it. But those who stand on scruples of etiquette may find the following recipe more to their taste:—

Extract the pulp from the fruit and leave it standing (in the back verandah) for a few hours, so that the offensive scent may escape; then place in a basin and pour on it some fresh milk or cream; add a table spoonfull of sugar, or more if needed; beat

well together to the consistency of thick cream ; if the odour is still objectionable, add a few drops of rose-water ; whisk the whole well. taking out any strands of fibre there may be, and serve the ambrosia. Unfortunately the durian does not readily recommend itself as a regular table fruit, for reasons already indicated.

An Exceedingly Ornamental and Graceful Tree.

It is the tallest fruit-tree in the world, reaching a height of 90 feet or more, is evergreen and always symmetrical in shape and well-proportioned in growth, so that it cannot readily be surpassed as an avenue tree. As a wind-belt and shade-tree for low country estates, it would also no doubt prove a valuable acquisition, for the older trees afford good fuel, and the trunks being remarkably straight and of large girths would, if required, make excellent planks, etc. As to cultivation, the tree thrives in deep marly loam. It might be described as a deep feeder, there being no tendency to develop buttressed roots above ground, as might be expected from its size. When planting, unless the ground has been deeply tilled already, it is best to dig holes four or five feet deep by five feet wide, which should be filled in with such soil as mentioned above. Once the plants reach a height of nine or ten feet, which they do in three years in a favourable situation, practically no care is needed beyond keeping down undergrowths and protection from cattle, which are often fond of the young twigs and leaves. The fruits set independently of any artificial agency; that is, the flowers are *complete* (the two sexes in one). Plants can be raised by means of "cuttings," but propagation is best from seeds, which are remarkable for their power of quick germination, taking only about seven days to germinate. As a natural consequence, however, they soon lose their vitality, so they should be sown immediately on being taken from the pulp. In three or four months' time the seedlings are ready for transplanting to their permanent places.

Varieties.

Considering that the durian has been cultivated, though not on any systematic principle, for some centuries now, we cannot be surprised to find there are a few varieties, some being more prolific than others. It is difficult however to discriminate between them till they reach the fruiting stage. Closely allied to the durian is the "Katuboda" (*Cullenia excelsa*) of the Sinhalese known also as the "wild durian." This tree is fairly common in Ceylon, at low and medium altitudes in moist districts. The fruit is not eatable, but monkeys are very fond of it. It resembles durian proper in foliage and structure of fruit, and in fact, the two are sometimes confused by botanists unacquainted with living specimens. The "Katuboda" however can easily be distinguished by the leaves being narrower, the fruit much smaller and covered with thickly placed long, slender, recurved spines, and of course by the absence of a pronounced odour. [The "Katuboda" fruit is variable in the character of prickles: a specimen just under examination shews these to be rather closely set and sinuated, not regularly recurved.]—*Ceylon Observer, 11th January,* 1898.

Durian.—We sent six Durian plants to Mr. T. J. Ferguson of Calicut on the 5th December, 1889. In answer to our query as to how they are getting on at the present time he replies as follows :—

"I am sorry to say my Durian tree is not a success : although it has a certain amount of shade from large Mango trees among which it is planted, the upper branches die back every hot weather. The tree is now only eight feet high and many of the branches are dead. I have come to the conclusion that the Durian and Mangosteen are quite unsuitable for the West Coast. The Mangosteen grows well at Courtallam and Burliar, possibly the Durian might grow well in the same localities, but neither are a success here."

Read letter from the Honorary Secretary, Tenasserim Agri-Horticultural Society, Moulmein, dated 26th January, 1898, in which he says : "In reply to yours of the 12th inst." The Durian fruits well at Moulmein and large quantities of the fruit are exported to Rangoon.

Read letter from the Superintendent, Agri-Horticultural Gardens, Rangoon, dated 4th February, 1898 :—

"Owing to the situation of the Society's gardens (being low) Durian does not thrive, but on the high ground in the suburb of this town there are many trees bearing fruit regularly every year. Large quantities of this fruit are grown near Moulmein and Tavoy and brought into the market for sale."

Recorded :

Tithonia Seed.—We lately wrote to the Curator, Royal Botanic Gardens, Peradeniya for a small packet of seed of Tithonia as the first lot of seed sent to us failed to grow from some unaccountable cause.

In reply he says "we will send you another packet of Tithonia seed of the freshest we can collect" and asks if Montanoa bipinnatifida seeds with us as though it flowers in Peradeniya freely enough the seeds do not seem to have any germinating power.

Replied that seeds will be collected and sent to him. We have ourselves experienced the same difficulty though a small percentage do germinate, perhaps owing to our climate resembling that of its habitat, Mexico.

Henna Seed for Trevandrum.—As requested by Mr. H. S. Ferguson, Secretary, Government Museum and Parks, Trevandrum, a pound of Lawsonia alba seed was forwarded, free, for experimental purposes.

Nettle Seed for Egypt.—Mr. Wolff of Mansourah, Egypt asked for seed of Indian fibre nettles for experiments in lower Egypt.

A packet of Girardina heterophylla var. palmata from Mr. Proudlock, Curator, Botanical Gardens, Ootacamund was sent to Mr. Wollf, who has several times assisted us in procuring seed of the best varieties of Egyptian cotton.

Acacia auriculiformis.—The following is the measurement of the tree taken on 25th January, 1898. Tht tree was planted out in October, 1894.

January, 1897.	January, 1898.
25 feet high and 15 inches in girth at 3 feet from the ground.	36 feet high, 23 inches in girth at 3 feet from the ground.

Plants in flower or fruit during January 1898:—

In Flower:—

Hamelia patens
Malpighia glabra
Cordia Sebestina
Euphorbia Bojerii
Eranthemum crenulatum
Bauhinia variegata
Dædalacanthus nervosus
Meyenia erecta
Tecoma stans
Sapindus saponaria
Mangifera indica
Lemonia spectabilis
Sterculia urens
Rondeletia speciosa
Orchipeda fœtida
Petrea volubilis
Brownea coccinea
Gmelina arborea
Antigonon leptopus
Poinciana pulcherrima
Kopsia fruticosa
Ailantus excelsa
Bignonia suberosa
Spathodea campanulata
Erythrina indica
Holmskioldia sanguinea
Glycosmis pentaphylla
Gelonium lanceolatum
Ixora parviflora
Plumbago rosea
Ixora coccinea
" rosea
" polyantha
Bauhinia candida
Pisonia aculeata
Parkia biglandulosa
Hemicyclia sepiaria
Sapindus fruticosus
Eugenia myrtifolia
Hæmatoxylon campechianum
Hiptage Madablota

Sapindus trifoliatus
Anogeissus acuminata
Vernonia elæagnifolia
Cochlospermum Gossypium
Landolphia florida

In Green Fruit:—
Wrightia molissima
Heterophragma adenophylla
Pavetta indica
Derris scandens
Tamarindus indica
Pithecolobium dulce
„ Saman
Stephegyne grandiflora
Diospyros decandra
Acacia auriculiformis
Dalbergia frondosa
Wrightia tinctoria
Phyllanthus rhamnoides
Vandelliana Lafœnsia
Anona reticulata
Achras sapota
Ficus glomerata
Cassia Roxburghii
Kigelia pinnata
Artocarpus integrifolia
Hura crepitans
Montanoa bipinnatifida
Cassia nodosa
Ardisia polycephala
Isora corylifolia
Myroxlon toluiferum
Tanghinia venenifera
Feronia elephantum
Terminalia paniculata
Ægle marmelos
Adenanthera pavonina
Bauhinia tomentosa
„ purpurea
Poinciana pulcherrima
Bignonia suberosa
Bridelia retusa
Artabotrys odoratissima
Heritiera fomes
Cæsalpinia coriaria
Terminalia Arjuna
Sterculia fœtida
Rhus mysorensis
Triphasia trifoliata
Nyctanthes arbor-tristis
Phoenix zeylanica
Jatropha podagrica

With Ripe Fruit:—
Cæsalpinia Sappan
Erythrina indica
Colvillea racemosa
Stereospermum chelonioides
Kleinhovia hospita
Cassia fistula
Bixa orellana
Adenanthera pavonina
Acacia Sundra
Duranta Ellesii
Bauhinia monandra
Terminalia Arjuna
Cassia glauca
Poinciana regia
Hibiscus collinus
Lagerstræmia Flos-reginæ
Morinda bracteata

Financial Statement for January, 1898. Read and passed.

Judges for Flower Show.—Resolved that the gentleman in the Honorary Secretary's list be invited to officiate as Judges at the next Flower Show.

Auditors.—Resolved that Messrs. D. E. W. Leighton and A. G. Norton Knight, be asked to be so good as to audit the the accounts of the Society for the past year.

G. M. J. MOORE,
Chairman.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Agri-Horticultural Society, for February, 1898, held on Monday, the 14th March, 1898, at 7 a.m.

PRESENT :

SURGEON-GENERAL C. SIBTHORPE (*in the chair.*)

C. MICHIE SMITH, Esq.
E. B. POWELL, Esq.
HENRY, C. WEST, Esq.
DR. A. G. BOURNE (*Honorary Secretary.*)

The following contributions were made to the Library :—

Hooker's Flora of British India parts XXIII and XXIV. Index for the entire Flora. from the Secretary, Board of Revenue, Madras

Queensland Agricultural Journal, part I of Vol. II January 1898, from the Principal, Agricultural College, Galton.

Indian Forester for January, 1898, from Mr J. S. GAMBLE, the Editor.

Proceedings of the Nilgiri Agri-Horticultural Society, held on the 5th February and 15th February 1898, from the Society.

Experiment Station Record, and Vol. VIII, No. 12, Vol. IX part 3, from the U. S. Department of Agriculture, Washington.

Tropical Agriculturist for February, 1898, from Messrs. A. M. and J. FERGUSON, the Editors and Publishers.

Planting Opinion, February 12th and 26th, from the Editor.

Arrangements for the year 1898 of the Royal Horticultural Society and the Report of the Council, for the year 1897-98. from the Society.

Annual Report of the Department of Land Records and Agriculture, Assam for 1896-97, from the Director of the Department.

The 'Shamba' a Journal of Agriculture for Zanzibar for January 1898, from the Editor.

Circular No. 3, Series I, of the Royal Botanic Gardens, Ceylon. from the Director of the Gardens.

Bulletin No. 68 of the U. S. Department of Agriculture on the Black rot of the Cabbage, 1898.

Proceedings of the Government of Mysore, dated 15th July 1897, reviewing the report on the working of the Government Museum for the year 1895-96.

Report on the Nagpur Experimental Farm for the year 1896-97. from the Director, Department of Agriculture, Central Provinces.

Extra Bulletin for 1897 of the Koloniaal Museum, No. 4 from Dr. M. Greshoff, Amsterdam.

Index Seminum, in Hortis Musei Parisiensis anno 1897 collectorum.

Proceedings of the Government of Madras, No. 1040, dated 11th December 1897, about supply of Lady Birds to planters, and Nos. 22 and 22A, dated 11th January, 1898, reviewing the report on the administration of the Department of Land Records and Agriculture, Madras.

Indian Gardening, Vol. II No. 8 from the Editor, Mr. St. John Jackson.

"Jevremovac" a list of seeds for exchange by the Botanic Gardens, Belgrade, 1897-98.

List of seeds collected in the Royal Botanic Gardens, Edinburgh during 1897.

Delectus Seminum quae hortus botanicus Varsoviensis pro mutua commutatione offert, &c., 1897.

Index Seminum in horto botanico Reg. Berolinensi, anno 1897, collectorum.

Circular No. 588 of the Central Provinces Secretariat from the Director of the Department of Land Records and Agriculture, Central Provinces.

Plants to Port Blair.—The following is a list of the Plants packed in a wardian case for Port Blair to be despatched at an early date.

Oreodoxa regia	Bauhinia candida
Livistona rotundus	Holmskioldia sanguinea
Cola acuminata	Garcinia Gambogia
Cordia sebestena	Gmelina Hystrix
3 new large flowered cannas	Castanospermum australe
Averrhoa carambola	Solanum Seaforthianum
Pithecolobium polycephalum	Myristica moschata
Sapindus fruticosus	Phyllarthron comorense
Lonicera Leschenaultii	Achras sapota
Eugenia jambolana white fruited variety	Acacia auriculiformis
	Anona Cherimolia

Government Extra Grant for Flower Show.—Read Proceedings of the Madras Government, No 135, dated 12th February, 1898, Financial Department sanctioning the usual amount of Rs. 500 for the Flower Show to be held in February, 1898, from the Provision under under 26th H. Scientific and other minor Department in the budget for 1897-98.

Birds-nest Fern.—Read letter from EARDLEY NORTON, Esq. dated Dunmore House, Teynampett 25th January, 1898, stating that a plant of Thamnopteris nidus has produced fertile spores, which for the first time on record germinated freely in his Fernery. Hitherto the supply of Birds-nest Fern has been by importing young plants from Rangoon and Calcutta.

Plants in flower and fruit:—

IN FLOWER:—
Walsura piscidia
Butea frondosa
Cupania canescens
Guaiacum Breynei
Gyrocarpus Jacquinii
Spathodea arcuata
Peltophorum ferrugineum
Quassia amara
Bletia antirrhiniflora
Agave rigida var. sissalana
Plumeria acuminata
Ipomæa carnea
Sterculea urens
Thunbergia grandiflora

IN FRUIT:—
Sapindus trifoliatus
Pterocarpus indicus
„ marsupium
„ Santalinus
Pterospermum Heyneanum
„ suberifolium
Spathodea crispa

WITH RIPE FRUIT:—
Achras sapota
Tamarindus indica

Rubber Seed.—In the Annual Report of the Botanical Gardens, Singapore for 1897, Mr. H. N. RIDLEY says that Para Rubber Seeds should be planted as soon as they are ripe as they retain their vitality for only about a fortnight. This is important to those ordering Para rubber seeds. Oily seeds have a tendency to deteriorate early but a fortnight is indeed a very short time and may account for failures in the germinating of the seeds often reported to us.

Durian.—On Page five of the same Report Mr. RIDLEY speaks of a new Borneo Durian which is stated to possess the full flavour of the Durio Zebithinus, common Durian,* without its odour. He states that it was received from the Botanic Gardens, Buitenzorg. Its scientific name is Lahia Rutejensis. We are writing to enquire in what way the plant could be introduced into India.

* See page ante 155.

Plants from Baroda.—Read letter from Mr. J. KRUMBIEGEL, Superintendent State Gardens, Baroda advising the despatch of 3 boxes containing the following plants :—

Antigonon sp. (white flower).
Alloplectus Lynchii.
Anthurium Andreanum hybridum.
Dædalacanthus Herbstii.
Dasylirion panicophyllum.
Eranthemum cinnabarinum.
Gardenia citriodora.
„ florida.
„ intermedia.
Ixora Colei.
Ixora coccinea superba.
„ Williamsii.
„ Dixiana.
Lantana Drap d'or
Manettia bicolor (a good variety.
Maranta regalis.
Phyllanthus tricolor.
Scutellaria Mociniana
Solanum Wendlandi.
Tabernæmontana Barteri.

Rubber Seed.—Read letter from Mr. WILLIAM R. PARR, Vatomandry, Madagascar, dated 2nd January, 1898, asking if we can procure for him seeds of Castilloa elastica, Hevea braziliensis and the new rubber, Kickxia africana.

We are making enquiries where the best seeds may be procured and when and if Kickxia africana is yet available.

Recorded.

Flower Show.—The Annual Flower Show under the auspices of the Madras Agri-Horticultural Society was held to-day at the Society's Gardens, commencing at 7 A.M., and was, all things considered, as successful as any held in previous years, both in the matter of attendance and the exhibits in the various classes ; though in this last particular, the judges, with discriminating eyes and retrospective memories, will show in their remarks which come later precisely in what points the show has surpassed and in what it falls below the Standard of other years. H. E. Lady Havelock was present and had the satisfaction of seeing her name as a prize-winner in one or two classes. The general impression, however, seems to have been that the show is held too late, especially in a dry season like the last, for flowering plants to be seen to advantage. An exception, however, must be made of the small but choice lot of Chrysanthemums shown by Sir George Moore, a gorgeous array of Cannas by Mr. Lod Govindoss, two fairly large and very beautiful exhibits of Pinks, Carnations, &c., by Surgeon-General Sibthorpe and Mr. A. McDonald, the double

Balsams, which always take the eye with their masses of bloom in the most daring colours, and some flowering Begonias belonging to Mr. Sowden. The arrangements were much the same as in previous years; but, perhaps, there was an improvement in the direction of according more room to the exhibits and not keeping them too close together, though it was possible the decrease in exhibits generally had as much to do with this as anything else. The big central tent was, as usual, given up to what is always the finest part of the show, we refer to the Ferns and Foliage plants. Here we missed many notable exhibitors of former years, especially Mr. W. H. Oakes and the People's Park; but their places were taken by Mr. Eardley Norton, who had a beautiful trophy of choice ferns, and the Jaghirdar of Arnee with a similar collection of foliage plants. Mr. Norton was one of the chief prize-winners in this class. The prize for Palms and Cycads also went to him, as did that that for Dracœnas. Surgeon-General Sibthorpe's collection of Crotons was very beautiful and richly deserved the first prize, the Old College Park being a good second. The space outside the big tent was devoted to the annuals grown in pots, in which the following were among the chief exhibitors:—Mr. Hay-Ellis (best collection of Annuals), H. E. the Governor (Portulaccas), Mr. J. Campbell (Phloxes), Mr. W. H. Oakes (double Zinnias). In the Cut Flowers class, the exhibits that chiefly struck the eye were the Sunflowers and Hollyhocks. In the former H. E. Lady Havelock took the prize, and in the other Mr. Eardley Norton, Lady Havelock also took the prize for the best bouquet, composed chiefly of Marechal Niel roses, candy tuft and maiden hair. Among the vegetables grown by amateurs we noticed some fine tomatoes shown by Mr. R. C. C. Carr, salad plants by Mr. W. J. Eales, arrowroot by H. E. the Governor, knol-khols, radishes and capsicums by the Saidapet Farm. The Madras City Police have for years now been the only exhibitors in Class VIII, and the A Division took the prizes for both vegetables and flowers. To many the economic section of the exhibition appeals more than the æsthetic horticultural section and in this there were as usual a number of interesting exhibits which the space at our disposal precludes our referring to at any length. A novelty, however, was the much-talked off "Jadoo," fibre and liquid. Packets of the former were given gratis to

those wishing to experiment with it. Local industries were represented by two Cigar booths, Messrs. Spencer and Co.'s and Messrs. Oakes and Co.'s, in which the brands for which both firms are famous were exhibited. Messrs. Spencer and Co. as usual, had a number of cigar rollers showing the process of manufacture. Messrs. Ranga Raju and Co., the dairymen of Mount Road, gave an interesting display of scientific butter-making, and very kindly presented many with little tins of delicious cream. Lastly, we must not omit to mention a display of tiles and art pottery of all descriptions from Messrs. Henke and Co.'s Tile works at Calicut. Appended are the names of the prize-winners and the Judges' remarks in each class.—*Madras Mail.*

Class I.—Flowers in Pots, exclusive of Annuals.

JUDGES.—Mr. L. E. BUCKLEY and the Rev. A. A. WILLIAMS.

1. Best general collection of Perennials, Rs. 10—Mr. C. J. Hay-Ellis.
2. Best collection of Roses, Rs. 15—Mr C. J. Hay-Ellis.
3. Best Verbenas, Rs. 5—Lodd Govindoss, Esq.
4. Best Carnations, Picotees, Pinks and Dianthus, single varieties, Rs. 5—Surgeon Major-General C. Sibthorpe.
5. Best Carnations, Picotees, Pinks and Dianthus, double varieties, Rs. 5—Mr. A. Macdonald.
6. Best collection of Climbers (Perennial), Rs. 10—Mr. C. J. Hay-Ellis.
7. Best Geraniums and Pelargoniums, Rs. 5—Col. Sir George Moore, *Kt.*, C.I.E.
8. Best collection of Cannas, Rs. 5—Lodd Govindoss, Esq.
9. Best collection of Flowering Begonias, Rs. 5—Mr. C. Sowden.
10. Best collection of ornamental leaved Begonias, Rs. 5—Mr. C. Sowden.
11. Best Chrysanthemums, Rs. 5—Col. Sir George Moore *Kt.*, C.I.E.
12. Best collection of Dahlias, Rs. 5—Mr. C. Sowden.
13. Best Hibiscus, Rs. 5—Variathoo Pillay.

JUDGES' REMARKS.—The number of exhibits was poor, there being only two in each class, but the quality on the whole was good, especially the Cannas, flowering Begonias, Chrysanthemums, Climbers and both of classes Carnations, Picotees, Pinks and Dianthus.

Class II.—Annuals grown in Pots.

JUDGES.—The Hon'ble Mr. A. T. ARUNDEL and the Hon'ble Mr. Justice SHEPHARD.

1. Best collection of Annuals in pots, Rs 10—Mr. C. J. Hay-Ellis.
2. Best Double Balsams, Rs. 5—Mr. A. Macdonald and Mr. P. Subramanyam.
3. Best Portulaccas, Rs. 5—H. E. the Governor.
4. Best Asters, Rs. 5—Mr. A. W. Rosling.
5. Best Phloxes, Rs. 5—Mr. J. Campbell.
6. Best Climbers, Rs. 5—Mr. C. Sowden.
7. Best Petunias, Rs. 5—Mr. C. Sowden.
8. Best Double Zinnias, Rs. 5—Mr. W. H. Oakes.

JUDGES' REMARKS.—None.

Class III.—Cut Flowers.

JUDGES.—The Hon'ble Mr. JUSTICE BENSON and Mr. W. D. St. LEGER.

1. Best Bouquet, Rs. 5—H. E. Lady Havelock.
2. Best 6 Button-holes, Rs. 3—H. E. the Governor.
3. Best Hollyhocks, Rs. 3—Mr. Eardly Norton.
4. Best Dahlias, Rs. 3—Cunniappa Naick.
5. Best Sunflowers, Rs 3—H. E. Lady Havelock.
6. Best Arranged Table for 8 persons, with fruit and flora-decorations, Rs. 7—Nil.

JUDGES' REMARKS.—The number of exhibits is lamentably small in each class. There are no entries at all for No. 6. (Best arranged table for 8 persons,) and three is the highest number of exhibitors in other classes. The Button-holes are, as a rule, too heavy, and sufficient attention is not paid to proportion. The flowers of Exhibitor No. 15 are good, but the button-holes are insecurely tied. In the Sunflowers and Hollyhock classes there are some excellent specimens and there is considerable variety in the former.

Class IV.—Ferns and Foliage Plants.

JUDGES.—Mr. H. C. WEST and Mr. C. SOWDEN for Nos. 1 to 6 and RAI BAHADUR THANACOTY MOODELLIAR and Mr. C. MICHIE SMITH for Nos. 7 to 12.

1. Best collection of Ferns, 1st Prize, a silver medal or Rs. 20—Mr. E. Norton.

2nd Prize, Rs. 10 —Mr. L. C. Bross.

2. Best Grown Single Specimen Fern, Rs 3—Mr. E. Norton.

3. Best collection of FoliagePlants, 1st Prize, Rs. 15—Jaghirdar of Arni.

2nd Prize, Rs. 7.—Vencata Row Sahib.

4. Best collection of Caladiums, Rs. 5—Mr. W. Jones.

5. Best collection of Alocasias, Rs. 5—Mr. C. J. Hay-Ellis.

6. Best collection of Palms and Cycads, Rs. 10—Mr. E. Norton.

7. Best collection of Crotons, 1st Prize, Rs. 10—Surgeon-Major. General C. Sibthorpe.

2nd Prize, Rs. 5—Old College Park.

8. Best collection of Dracænas, 1st Prize,Rs. 10—Mr. E. Norton.

2nd Prize, Rs. 5—not awerded.

9. Best Aralias and Panax, Rs. 5—not awarded.

10. Best collection of Lycopodium and Selaginella, Rs. 5—Mr. C. Sowden.

11. Best collection of Anthuriums, Rs. 5—No prize awarded.

12. Best collection of Coleus, Rs. 5 —Surgeon Major-General C. Sibthorpe.

JUDGES' REMARKS.—Exhibits 1 to 6 :—The Exhibits genrally are equal to those of previous years. The collections of Ferns contained several of the rarer specimens, but it is suggested that the merits of this class would be more evident if smaller numbers of individual plants were exhibited. It is regretted that more competition in single specimens is not taken advantage of. The foliage plants are well-grown and include a good assortment of varieties in Caladiums. The collection to which the prize was awarded contained some good specimens, but the exhibits as a whole appear to have suffered from the dryness of the season. In Alocasias there was not much to choose between the two exhibits, but on the whole, Mr. ELLIS' collections were better grown. In Palms

and Cycads the collection was good but there was a want of variety. Exhibits 7 to 12: On the whole the Exhibits did not come up to those of former years. There were only two exhibitors in each class. The Crotons were more remarkable for quantity than quality or variety. The Dracænas and Panax suffered greatly from bad pruning and the Anthuriums were all very poorly grown specimens. The prize collection of Lycopodium and Selaginella was a very good exhibit.

Class V.—Vegetables grown in Madras by Amateurs.

JUDGES.—1 to 12, Surgeon-Major-General C. SIBTHORPE and Mr. W. KEESS; from 13 to 24, Surgeon-Lieutenant-Colonel J. MAITLAND and Mr. P. SUBRAMANYA IYER.

1. Best celery, Rs. 3—Sanitary Inspector, 8th Division.
2. Best Beetroot Rs. 2— do.
3. Best Turnips, Rs. 2— do,
4. Best Carrots, Rs. 2—S. Babu Row.
5. Best Onions, Rs. 2—No prize.
6. Best Cucumber, Rs. 2—Mr. S. Babu Row.
7. Best Vegetable Marrows, Rs. 2— do.
8. Best Yams, Rs. 2—No. prize.
9. Best Tomatoes, Rs. 2—Mr. R. C. C. Carr.
10. Best Asparagus, Rs. 2—Sanitary Inspector, 8th Division.
11. Best collection of Salad Plants, Rs. 4—Mr. W. J. Eales.
12. Best Peas, Rs. 2—Mr. W. H. Wilson.
13. Best Brussels Sprouts, Rs. 2—No exhibits.
14. Best Arrowroot, Rs. 2—H. E. the Governor.
15. Best Tapioca, Rs. 2—Mr. E. A. S. Nicholas.
16. Best Lettuces, Rs. 2—H. E. the Governor.
17. Best Knol-khol, Rs. 2—Saidapett Farm.
18. Best Jerusalem Artichokes. Rs. 2—St. Patrick's Orphanage.
19. Best Chillies, Rs. 2—Saidapett Farm.
20. Best collection of Indian Vegetables, Rs. 3—Sanitary Inspector, 8th Division.
21. Best collection of English Vegetables, Rs. 3—Sanitary Inspector 8th Division.
22. Best Radishes, Rs. 2—Saidapett Farm.
23. Best Chillies and Capsicums grown in pots, Rs. 2—Surgeon-Major-General C. Sibthorpe.

24. Best Sweet Herbs and Capsicums grown in pots, Rs. 3—Mr. C. Sowden.

JUDGES' REMARKS.—Nos. 1 to 12, Exhibits generally poor, but prize winners showed the advantage of manure, Nos. 13 to 24, Exhibitors of English vegetables not up to the average. Only two Exhibitors of Madras vegetables, and three exhibits not up to the average.

Class VI.—Vegetables (Grown anywhere.) Open only to Market Gardeners.

JUDGES.—1 to 10 Surg.-Lieut.-Col. A. M. BRANFOOT and Mr. J. L. SPOOR, and from 11 to 21 Mr. W. H. OAKES and Mr. J. P. ATKINSON.

1. Celery, 1st Prize, Rs. 3—V. Venkatachellum.
   2nd Prize, Rs. 2—N. Parthasarady Naidu.
2. Knol-khol, 1st Prize, Rs. 3—N. Parthasarady Naidu.
   2nd Prize, Rs. 2—Kistnaswami Naidu.
3. Beetroot, 1st Prize, Rs. 3—N. Parthasarady Naidu.
   2nd Prize, Rs. 2—Kistnaswami Naidu.
4. Carrots, 1st Prize, Rs. 3—Kistnaswami Naidu.
   2nd Prize, Rs. 2—Veeraswami.
5. Turnips, 1st prize, Rs. 3—Veeraswami.
   2nd Prize, Rs. 2—Kistnaswami Naidu.
6. Onions, 1st prize, Rs, 3—Kistnaswami Naidu.
   2nd Prize, Rs. 2—Vadachellum.
7. Cabbages, 1st Prize, Rs. 3—N. Parthasarady Naidu.
   2nd Prize, Rs. 2—Kistnaswami Naidu.
8. Vegetable Marrows, 1st Prize, Rs. 3—K. Mooneswami Naicker.
   2nd Prize, Rs. 2—K. Murugasa Naicker.
9. Cucumbers, 1st Prize, Rs. 3—Kistnaswami Naidu.
   2nd Prize, Rs. 2—N. Parthasarady Naidu.
10. French Beans, 1st Prize, Rs. 2—N. Parthasarady Naidu.
    2nd Prize, Re. 1—K. Murugasa Naicker.
11. Kidney Beans, 1st Prize, Rs. 2—K. Murugasa Naicker
    2nd Prize, Re. 1—Cundaswamy Naick.
12. Tomatoes, 1st Prize. Rs. 3—Perumall Naick.
    2nd Prize, Rs. 2—N. Parthasarady Naidu.

13. Chillies, 1st Prize, Rs. 3—Cundasamy Naick.
    2nd Prize, Rs. 2—Murugasa Naick.
14. Brinjals, 1st Prize, Rs. 3—K. Vengadala Naicker.
    2nd Prize, Rs. 2—N. Parthasarady Naidu.
15. Bandikai, 1st Prize, Rs. 3—K. Murugasa Naicker.
    2nd Prize, Rs. 2—K. Vengadala Naiker.
16. Potatoes, (*a*) large, Rs. 3—N. Parthasarady Naidu.
    Potatoes, (*b*) small, Rs. 3—Kistnaswami Naidu.
    Special Prize—K. Murugasa Naiker.
17. Peas, 1st Prize, Rs. 3—Thungavalu Moodelly
    2nd Prize, Rs. 2—Kistnaswami Naidu.
    Special Prize—K. Mooneswamy Naicker.
18. Best collection of Salad Plants, Rs. 2—Thoolookanum.
19. Lettuces, 1st Prize, Rs. 2—Nil.
    2nd Prize, Re. 1—Nil.
20. Cauliflowers, 1st Prize, Rs. 3—Kistnaswami Naidu.
    2nd Prize, Rs. 2—Thoolookanum.
21. Best collection of Edible Roots, Rs. 3— Sanitary Inspector 8th Division.

JUDGES REMARKS.—1 to 10. The number of exhibits was smaller than last year and generally inferior in quality. (Nos. 11 to 21) 16. Potatoes, very good. No. 51, K. MURUGASA NAICKER, recommended for special prize for exhibit grown in Madras. 18. Salad appear to have suffered by the journey to Madras. 19. Lettuces only one small exhibit, no prize awarded. 17. Peas. No. 53, K. MURUGASA NAICKER, exhibit said to be grown in Kilpauk, Madras, recommended for a special prize. 12. Chillies—only two exhibits, 2nd prize with held pending decision of the Committee.

Class VII.—Fruits.

OPEN TO ALL.

JUDGES.—The Hon'ble Mr. H. M. WINTERBOTHAM, the Hon'ble Mr. Justice SHEPHARD, and Mr. E. B. POWELL.

1. Best Raspberries, Rs. 3—P. Venkatasamy.
2. Best Strawberries, Rs. 5—B. Mooneswamy.
3. Best Peaches, Rs. 5—B. Mooneswamy

4. Best Apples, Rs. 5—Rungasamy Moodelly. Paramaswara Moodelly, highly commended.
5. Best Pears, Rs. 5—no exhibitor.
6. Best Sweet Oranges, Rs. 3—Paramaswara Moodelly.
7. Best Pumplemoses, Rs. 2—Paramaswara Moodelly.
8. Best Figs, Rs. 5—Rungasamy Moodelly.
9. Best Grapes, Rs. 5—Subbamall.
10. Best Sapodillas, Rs. 3 Rungasamy Moodelly.
11. Best Melons, Rs. 3—Subbamall.
12. Best collection of different varieties of Plantains, Rs. 3—Kothundapani Moodelly.
13. Best Lemons, Rs. 5—Subbamall.
14. Best Limes, Rs. 3—Rungaswami Moodelly,
15. Best Guavas, Rs. 3—Rungaswami Moodelly.
16. Best Citrons, Rs. 3—Rungaswami Moodelly.

JUDGES' REMARKS.—There was scarcely any competition. The prizes were practically divided between two exhibitors. No pears were shown, and the peaches were very much below the average. Apples were finer than usual and the strawberries were very good. It is suggested there should be some arrangement of the fruit according to kinds so that the Judges could compare them. It has been observed that in some cases the owners divide their exhibits in the expectation apparently of there being two prizes. When they discover there is only one prize, the exhibits are clubbed together as belonging to one exhibitor. This makes it confusing for the Judges.

Class VIII.—Flowers and Vegetables.

Open only to Soldiers, Non-Commissioned and Warrant Officers, the Police and Jail Department, and Reformatory Schools.

JUDGES.—The Hon'ble Mr. A. T. ARUNDEL and the Hon'ble Mr. Justice SHEPARD.

1. Best collection of Flowers in pots, 1st Prize 10 and second Prize Rs. 5—Divided between Reserve and D. Division, Madras Police, each Rs. 7-8-0.

2. Best Collection of Vegetables, 1st Prize, Rs. 10—Reserve A. Division.

2nd Prize, Rs. 5—D Division, Madras Police.

JUDGES' REMARKS.—None.

Extra Prize List.

JUDGES.—Mr. EDGAR THURSTON, Mr. F. T. SIMON and Surgeon-Lieutenant HOLLINGSWORTH.

1. A Gold medal for the best sample, and a silver medal for the second best sample of Tea so moderately priced as to be suited for general consumption.—Gold medal awarded to Glendale Tea Estate. Silver medal not awarded.
2. Best Collection of Green Forage, Rs. 10—Divided between Saidapett Farm and Government House.
3. Best collection of Vegetable Oils, Rs. 10—Manicka Naick.
4. Best collection of Fibre Plants and cleaned Fibres. The fibres must have been recently cleaned. No. prize will be awarded for an Old Collection, Rs. 15—Mr. C. T. Mooneswamy Moodelly.
5. Best collection of Economic Plants growing in pots such as young timber, and other useful trees, Rs. 15—Mr. C. J. Hay Ellis.
6. Best collection of Bazaar Medicines, Rs. 10—Divided between Mr. C. T. Moonesamy Moodelly and Manicka Chetty.
7. Best collection of Dyes, Tanning Materials and Mordants, Rs. 10—Divided between M. S. Subroyalu Natar and Saidapett Farm, Rs. 6 to former and Rs. 4 to latter.
8. Best collection of the different varieties of food grains other than Paddy, Rs. 10—Govinda Pillay.
9. Best made Garden pots, pans, &c., of plain and fancy varieties of local manufacture, Rs. 10—Veerabudra Oodayar.

JUDGES' REMARKS.—The pottery shown by Messrs. HENKE & Co. from Calicut, is shown more for exhibition than competition. The articles shown are far superior in artistic finish and external decoration to any of the other collections exhibited. Two collections were exhibited, No. 11 and 16; No. 16 was far better displayed but both were of equal merit, and the Judges recommend the prizes be equally awarded between the two competitors. Best collection of vegetable oil; two exhibitors, Nos. 7 and 3. The prize is awarded to No. 3 as displaying a larger variety, also showing the sources from which the oils were obtained. No. 4.—Best collection of fibre plants and clean fibres. Two exhibitors Nos. 4 and 5. No. 4 exhibits about 50 varieties of clean fibres including fibre of Bœhmeria nivea (Rhea) and other interesting fibres, is awarded the prize. Best collection of young timber trees and useful plants. Two competitors, Nos. 12 and 13. The prize is awarded to No. 12 as being the better collection of the two. Best collection of

Bazaar Medicines—Two exhibits No. 6 and 9. Both are large collections and are of equal merit. The Judges recommend the prize being divided between the two competitors. Best collection of dyes, tanning materials and mordants:—Two exhibitors Nos. 1 and 10. A good deal of care appears to have been taken in making both collections and the Judges recommend Rs. 6 being awarded to No. 1 and Rs. 4 to No. 10. Best collection of food grains other than paddy. Two exhibitors Nos. 2 and 8; the prize is awarded to No. 2 collection as being the best and showing a larger variety. Best made garden pots, pans. There are four exhibitors, No. 4 is awarded the prize; the articles exhibited being well burned, of good finish, and displaying a large variety of novelties. Among the exhibits is one, by Messrs. HENKE & Co., from Calicut, who show a very fine collection of artistically finished flower pots and vases, which are displayed only for exhibition. An interesting exhibit that deserves special notice here is that of Jadoo Fibre exhibited by Messrs. Parry & Co.

Tea Report.—Messrs. JARDINE SKINNER & Co., forwards the following Tea Brokers' Report on the 4 Samples of Tea sent for competition at the Flower Show.

Marks & Nos.	Ex..... Valuation per lb.	Description.
	s. *d.*	
1	1 8	Well made Tippy Pekoe, leaf brisk liquor flavour little light.
2	1 0	Even rather Tippy Pekoe leaf, brisk liquor wants freshness.
3	1 3	Stylish Tippy Pekoe Souchong kind leaf, brisk liquor nice flavour.
4	1 1	Small good Tippy Pekoe kind leaf. little broken, thin wants quality.

These are all well made teas—the liquors of Nos. 1 & 3 have good flavour of a China character, but Nos. 2 & 4, are disappointing being wanting in point and character.

Nos. 1 & 3, Glendale Tea Estate—2 Terramea Tea Estate and 4 Kodanaad Tea Estate.

The special thanks of the Society and the public are due to His Excellency the Governor, Lady Havelock, Colonel Sir George Moore, Mr. C. Sowden, Mr. L. J. Brass, Mr. Eardley Norton, Lod. Govindos, Mr. R. C. C. Carr, Mr. W. Jones, Old College Park, Mr. C. J. Hay—Ellis, Mr. W. J. Eales, Mr. W. H Wilson, St. Patric Orphanage, Mr. J. Campbell, Mr. W. H. Oakes, Surgeon-Major-Genl. C. Sibthorpe, the Jahirdar of Arnee, Mr. A. W. Rosling, Mr. A. Macdonald, the Saidapet Farm, Rungasawmy Moodelly, N. Parthasaradhy Naidoo, Suhbbarayulu Natar, the Sanitary Inspector, 8th Division, Krishnasawmy Naidu, Manikka Naicker, and several Native Gentlemen for the largeness of their exhibits which contributed so much to the success of the show.

The Society are also much indebted to His Excellency the Governor for the services of his Band, who played at the gardens until 12 noon, and for his tents, tables, carpets, &c., also to the Inspector-General of Ordnance for tents ; the Commissioner of Police, for the services of Police Guard ; the President Municipal Commission for watering the road ; the Commissioner of U. C. S. Examination, the Priucipal Agricultural College and the Principal Teachers' College, for the use of their tables and benches.

Catalogue.—Resolved that the Honorary Secretary may arrange for the printing of a New Catalogue of Plants growing in the Gardens and neighbourhood and the issue of not more than 500 copies.

Mr. Gleeson.—Resolved that a donation of Rs. 100 be offered to Mr. J. M. Gleeson in recognition of his services in connection with the Annual Flower Shows of late years.

Resolved also that Mr. Gleeson be permitted (any clause in his agreement notwithstanding) to accept any such extra work and remuneration as the Committee may approve.

Flower Show for Annuals.—Resolved that a Flower show, for Annuals and such other plants as are likely to be in better condition at that time of year than at the date of the Annual Flower show be held in January and that the Honorary Secretary submit detailed proposals to the next Meeting of the Committee.

Annual Meeting.—Resolved that the Annual General Meeting of the Members of the Society be held on Monday, the 28th March, 1898, at 7 a.m.

Financial Statement for February.—Read and passed.

C. SIBTHORPE, Surg.-Major General,
Chairman.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Agri-Horticultural Society, for March, 1898, held on Monday the 4th April, 1898, at 7 a.m.

PRESENT:

COL. SIR GEORGE MOORE, *Kt.* C.I.E. (*in the Chair.*)

C. MICHIE SMITH, ESQ.	THE HON. H.M.WINTERBOTHAM.
THE HON. MR. JUSTICE BENSON.	DR. A. G. BOURNE
E. B. POWELL, ESQ.	(*Honorary Secretary.*)

Experimental Station Record, Vol. IX No. 5, from the U. S. Department of Agriculture, Washington.

Kew Bulletin of Miscellaneous Information for November, 1897 and Appendix II of 1898, Additional series No. 1 of 1898, and for November, 1897, from the Royal gardens, Kew.

Eighth Annual Report of the Missouri Botanical Gardens, St. Louis, 1897, from the Director of the gardens.

Agriculture Ledger for 1897:—No. 19 on roots of Aconitum ferox, A ferox var. cassicaulis and A-nepaulensis, from Dr. G. WATT, the Editor.

Annual Report on the Botanic Gardens, Singapore, for the year 1897, from the Director of the gardens.

List of the Plants of Southern India by Dr. A. G. BOURNE, 1897, from the Superintendent Government Central Museum, Madras.

Proceedings of the Madras Government No. 127 and 127A, dated 3rd March, 1898, Dr. A. G. BOURNE's report on Sugarcane disease in the Godaveri Delta and neighbourhood.

Indian Forester for February, 1898, from the Editor.

Planting Opinion for March, 5th, 12th and 19th and February 5th, 19th, from Mr. E. C. DUFF, the Editor.

Revue Agricole et Journal De La chambre D'Agriculture de L'Ile Maurice, Janvier, 1898.

Proceedings and Journal of the Agri-Horticultural Society of India, October to December, 1897, from the Secretary of the gardens.

Decade II of the New Natal Plants by J. M. Wood and M. S. Evans, the Editors.

Annual Administration Report of the Royal Botanic Gardens, Peradeniya, Ceylon for 1897, from the Director of the gardens.

Fourteenth Annual Report of the Department of Land Records and Agriculture, Bombay Presidency, for 1896-97, from the Director of the Department.

The 'Shamba,' Journal of Agriculture for Zanzibar, February, 1898.

Indian Gardening, February 10th and 17th, from Mr. H. St. John Jackson, the Editor.

Tropical Agriculturist, for March, 1898, from the Editors and publishers, Colombo.

Queensland Agricultural Journal Vol. II, Part II and index from the Principal Agricultural College, Galton.

The following contributions were made to the Gardens :—

Seeds of Asparagus plumosus, from Mr. Beck, Morvi, Kattywar.

Seed of a special kind of Chilly and Erythrina lithosperma, from Mr. B. N. Nelson, Anenkow, Shenkotta.

The following seeds from the Director of the Botanic Gardens, Brisbane :—

Eustrephus Brownii	Acacia podalyræfolia
Morinda jasminioides	Eugenia Smithii
Eucalypti 17 kinds	Callitris robusta
Tristania conferta	Sarcopetalum Harveyanum

Seeds of Cyphomandra betacea, from Mr. T. Stanes, Coonoor.

Seeds of Licuala grandis, from the Director Botanic Gardens, British Guiana.

Two plants of Agave vivipara variegata (a new variety) from Mr. G. M. Woodrow, College of Science, Poona.

Seed of Poivrea coccinea, from Mr. C. W. Conington, Nungumbakum.

Seeds of Victoria regia, from Mr. T. H. Storey, Oodeypore.

Seeds of Swietenia macrophylla, from Dr. David Prain, M.B., F.L.S., Superintendent, Botanic Gardens, Calcutta.

Trees, shrubs, &c., in flower and fruit in the gardens :—

In Flower :—
Hibiscus tiliaceus
„ elatus
„ schizopetalus
„ other garden varieties
Achras sapota
Cerbera Odallum
Cassia nodosa
Heriteria macrophylla
Brownea Ariza
Ipomæa tuberosa
Bougainvillea glabra
„ laterita
Toluferum Pareira
Artabotrys odoratissimus
Aristolochia grandiflora
Stereospermum chelonoides
Phyllanthus emblica
Chloroxylon Swieteni
Balsamodendron Roxburghii
Strychnos nux-vomica
Saraca indica
Garcinia Livingstonei
Bignonia megapotamica
Passiflora laurifolia
Premna tomentosa
Acacia Sundra
Duranta Plumerii
Schliechera trijuga
Diospyros Sapota
„ embryopteris
Vallaris dichotoma
Stigmaphyllum aristatum
Sterculia alata
Melia azadirachta
Careya arborea
Bombax malabaricum
Thespesia populnea
Quassia amara
Petrea volubilis
Aglæa odorata
Caryota sobilifera
Sabal minor
Gelonium fasciculatum
Putranjiva Roxburghii
Gmelina arborea
Blighia sapida
Capparis horrida
Landolphia florida
Glycosmis pentaphylla
Licuala peltata
Thriax argentea
Phoenix sylvestris
Galphimia glandulosa
Bassia longifolia

In Green Fruit :—
Butea frondosa
Helicteris isora
Eriodendron anfractuosum
Artocarpus incisa
Streblus asper
Mimusops Elengii
Feronia elephantum
Acacia arabica

With Ripe Fruit :—
Acacia auriculiformis
Pithecolobuim Saman
Inga dulce
Tamarindus indica
Ægle marmelos
Artocarpus integrifolius

Sisal Hemp.—As the Society have now large stock of the new fibre plant (Agave rigida var. Sisalana) from Yucatan, Mexico, I think it desirable that these plants should be tried in different parts of the Presidency and therefore propose to place them at the disposal of Government. A small stock will be reserved for trial locally.

Read letter from Mr. J. M. Gleeson, Superintendent of the Gardens, dated 17th March, 1898, thanking the Honorary Secretary, and the Gentlemen of the Committee for the cheque

of Rs. 100 presented to him for his efforts during the late Flower Shows.

Chairman.—Proposed by the Hon. Mr. Justice BENSON and seconded by Mr. C. MICHIE SMITH that Colonel Sir GEORGE M. MOORE be elected as Chairman of the Committee.

Resolved that a Floral Fete be held on the afternoon of Saturday, the 14th January, 1899.

Financial Statement for March and January and March, 1898.

Read and passed.

G. M. J. MOORE,

Chairman.

A. G. BOURNE,

Honorary Secretary.

FINANCIAL STATEMENT, JANUARY TO MARCH, 1898.

RECEIPTS.	Amount.	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs Binny & Co. on 31st December, 1897 ...	1,375 5 5		As per statement annexed ...	.....	2,928 14 11
Do. in hand for transmission to the bank on 31st December, 1897 ...	172 3 6		Balance with Messrs. Binny & Co., on 31st March, 1898 ...	1,920 12 5	
Do. in hand, petty cash on 31st December, 1897 ...	17 9 2		Do. in hand for transmission to the bank on 31st March, 1898 ...	51 14 0	
		1,565 2 1	Do. in hand, petty cash on 31st March, 1898. ...	51 13 0	
By sale of seeds during January to March, 1898 ...	161 3 3				2,024 7 5
Do. plants do. ...	161 14 0				
Do. sundries do. ...	235 13 0				
Do. admission tickets for Flower Show...	929 12 0				
By loan of plants ...	170 10 0				
By subscription from Members...	479 0 0				
By Govt. monthly grant ...	750 0 0				
By Extra grant for Flower Show.	500 0 0				
		3,388 4 3			
Total Rupees...	.....	4,953 6 4	Total Rupees...	.....	4,953 6 4

Agri-Horticultural Society,
Madras, *2nd April*, 1898.

A. G. BOURNE,
Honorary Secretary.

Particulars of Expense, January to March, 1898.

	Rs.	A.	P.
Pay of Establishment	1,044	9	5
„ Coolies	192	3	0
Seeds purchased	32	15	6
Plants „	7	4	0
Flowers „	2	14	0
Pots, manure, &c....	14	12	0
Other garden requisites	46	2	0
Table for Office use	10	0	0
Books and periodicals	27	2	0
Printing and advertising	48	10	0
Red Hills water supply, October to December, 1897.	109	6	9
Present to Mr. J. M. Gleeson, for his services during late shows	100	0	0
Postage on letters, Proceedings,seeds, &c. ...	17	7	6
Rail charges, packing, cart hire, &c.	226	4	6

	Rs.	A.	P.			
Flower Show—Prizes	555	0	0			
Valuation of tea & brokers fee	9	0	0			
Conveyance of tables, benches, tents, &c. ...	160	12	0			
Printing and advertising	107	8	0			
Governor's band, refreshment and conveyance.	60	0	0			
Services of police staff...	27	8	0			
Pandal at gate, barier, lifting up of tents, &c.	53	15	0			
Presents to the gardeners and Tent luscars ...	50	0	0			
Petty expenses ...	25	9	3			
				1,049	4	3
Total Rupees...				2,928	14	11

Agri-Horticultural Gardens,
Madras, *2nd April*, 1898.

Proceedings of the Agri-Horticultural Society, Madras, for April, 1898.

(*Circulated to the Members on 2nd May*, 1898.)

The following contributions were made to the Library during the month :—

Experimental Station Records Vol. IX, Nos. 6 and 7, from U. S. Department of Agriculture, Washington.

Proceedings and Journal of the Agri-Horticultural Society of India, for October to December, 1897, from the Society.

Report on the Cawnpore Experimental Farm for the Kharif Season 1896-97, from the Director of Land Records and Agriculture, N. W. P. and Oudh.

Agricultural Bulletin of the Malay Peninsula No. 7, June, 1897, from the Director of the gardens and Forest Department, Singapore.

Queensland Agricultural Journal, Vol. II, Part 3, from the Queensland Agricultural College, Galton.

Revue Agricole et journal de la chambre D'Agriculture de L'Ile Maurice No. 2, Fevrier 1898.

Agricultural Statistices of the Lower Provinces of Bengal for 1896-97, from the Department of L. R. and Agriculture, Bengal.

Notes on Woods at present used for making Fishing rods and on some Indian timbers by Surgeon-General G. Bidie, from the Author.

Planting Opinion Vol. III, No. 13, from Mr. E. C. Duff, the Editor.

A list of Agricultural Implements and Machines which have been tested in India during the year ended 30th September, 1897.

Adamson's illustrated and descriptive seed and bulb manual for 1898.

Museum grounds.—Read letter from Mr. Edgar Thurston, Superintendent, Government Central Museum, Madras, dated 27th March, 1898, asking if the Society could take charge of the Museum grounds and keep them in order stating that he has only a certain sum (Rs. 200) set apart for that purpose.

Replied accepting the offer, at the same time suggesting that a slight increase may be made in the garden staff employed on the Museum grounds.

Superintendent.—Read letter from Mr. J. M. GLEESON, the present Superintendent, dated 10th April, 1898, stating that his engagement with the Society terminates on the 27th of this month.

Resolved that Mr. GLEESON be asked to continue as Superintendent for three years from the date of the termination of his present agreement on a salary of not less than Rs. 150 per mensem and under the same terms as regards notice as in his previous agreement.

Read the following letter from Mr. J. M. GLEESON, to the Honorary Secretary, dated 25th April, 1898, No. 594 :—

"I have received your letter No. 593 of the 21st April, 1898, in which you offer me the appointment of Superintendent of the Agri-Horticultural Society's Gardens for another three years on a salary of not less than Rupees one hundred and fifty per mensem.

I have great pleasure in accepting your offer, and cordially thank you and the Members of your Committee for the honour they have done me."

Durian and Hevea.—Read letter from Mr. T. J. FERGUSON, Calicut, dated 2nd April, 1898 :—

"I am sending you a specimen from a rather pretty creeper which I found recently growing in my nursery. Can you tell me the name of this plant?

"The long drought and heat have at last killed the Durian.

"The Hevea trees are flowering freely just now.

"I have not yet been able to get you a plant of Holostemma Rheedii but hope to get one when the south west monsoon sets in, the roots are very deep, and the seeds I planted did not germinate.

Mr. FERGUSON was thanked for the information re Durian and Hevea and was informed that the name of the creeper he sent is Coldenia procumbens, a silvery foliaged plant belonging to the Natural order Boragineæ. Ainslie in his Materia Medica says that equal parts of the dried plant with Fenugreek seeds are applied to boils, &c., the fresh leaves are also used with advantage in rheumatic swellings.

Lantana.—Read letter from Mr. EDGAR THURSTON, dated 4th March, enquiring when the Lantana was first introduced into this country.

We wrote to Mr. MACMILLAN, curator, Royal Botanic Gardens, Peradeniya, asking him to give us what information he could give regarding the introduction of Lantana to Ceylon as it has been quoted that the Lantana was first introduced into Ceylon, as a new and curious plant many years ago and from thence spread into India.

Mr. MACMILLAN'S says in his reply "Lantana indica = L. alba, is given by THWAITES and TRIMEN, as a native of Ceylon. L. trifolia is given in Dr. TRIMEN'S Flora of Ceylon, Vol. III, p. 346, as naturalised in Ceylon, being native of Trop. America; "the flowers are a pale violet-pink (rarely white)" no mention is made as to date of introduction.

"L. aculeata (= L—Mixta, & L. Camara) is the Lantana bush or the commonest weed of Ceylon and according to TRIMEN'S Flora (same vol., &c., as mentioned) was introduced as an ornamental plant to Ceylon, soon after 1824."*

The following is a list of the plants in flower, fruit, &c. :—

IN FLOWER—

Acacia sundra
Achras sapota
Alpinia nutans
„ calcarata
Amaryllis reginæ
Ananassa sativa
Antidesma sp.
Areca catechu
Aristolochia grandiflora
Azadirachta indica
Bauhinia acuminata
„ variegata
„ Galpini
Bignonia gracilis
Blighia sapida
Bougainvillea spectabilis
„ laterita
Careya arborea
Caryota urens
„ sobilifera
Cassia fistula
„ nodosa
Citharexylum subserratum
Colubrina asiatica
Cordia sebestena
Cupania canescens
Dalbergia sissoo
„ frondosa
„ spinosa
Diospyros embryopteris

* TRIMEN'S Catalogue gives it as being introduced to Ceylon before 1824.

Diospyros sapota
„ decandra
Duranta Plumerii
Echites paniculata
Euphorbia heterophylla
Feronia elephantum
Galphimia glandulosa
Gelonium lanceolatum
„ multiflorum
Grevillea robusta
Guazuma tomentosa
Guaiacum Breynei
Guatteria longifolia
Hamelia patens
Heliconia brevispatha
„ humilis
Ipomæa Learii
Ixora rosea
„ polycephala
„ coccinea
Jasminum sambac
Jacquinia ruscifolia
Jonesia asoka
Kigelia pinnata
Kopsia fruticosa
Mimusops elengi
Monochoria vaginalis
Nymphæa stellata
Ochna squarrosa
Ochrocarpus longifolius
Petrea volubilis
Pereskia bleo
Pithecolobium saman
Phyllarthron comorense
Plumbago capense
Plumeria alba
„ acutifolia
Quassia amara
Sabal minor
Schliechera trijuga
Spathodea campanulata
„ Rheedii
Strophanthus chinensis
Sterculia alata
„ foetida
Swietenia mahogani
„ macrophylla
Tabernæmontana coronaria
Thunbergia grandiflora
Tristellatea australasica
Vittadinia australis
Vallaris dichotoma
Vinca rosea
Wrightia molissima
„ tinctoria
Xylophylla angustifolia
Zephyranthes carinata

In Green Fruit—
Anona reticulata
„ muricata
Acacia arabica
Artocarpus incisa
Bombax malabaricum
Bauhinia acuminata
Cordia sebestena
„ myxa
Crataeva religiosa
Cordyline australis
Coccoloba uvifera
Diospyros decandra
Guaiacum officinale
Heterophragma adenophylla
Heritieria littoralis
Livistona mauritiana
Mangifera indica
Phœnix sylvestris
„ farinifera
Poinciana pulcherrima
Pterospermum Heyneanum
„ suberifolium
Peltophorum ferrugineum
Parkia biglandulosa
Quassia amara
Spathodea campanulata
Thrinax argentea

In Ripe fruit—
Adenanthera pavonina
Ægle marmelos
Bignonia megapotamica
Butea frondosa
Chickrassia tabularis
Cassia fistula
Dalbergia paniculata
Eriodendron anfractuosum
Erythrina indica
Gmelina arborea
Garcinia Livingstoneana
Hura crepitans
Mimusops elengi
Sterculia urens
Sapindus saponaria
Do trifoliatus
Tamarindus indica
Terminalia arjuna
Do melanocarpa
Tecoma stans

Birds nest Fern.—Read letter from Mr. EARDLEY NORTON, Dunmore House Teynampett, Madras, dated, 25th April, forwarding a plant of birds-nest fern grown from spores in his gardens.

Recorded with thanks.

Para Rubber, Hevea braziliensis.—We are often asked for Para Rubber seed, but as it will not keep long, we do not stock it, and are often unable to supply it. We have to register orders and wait our chance of getting fresh seed. The following extract from a Ceylon paper will shew that there is a very ready demand for it which possibly takes up all the locally produced seed.

"*Sale of Para Rubber Seed.*—Acting under the instructions of Mr. JOHN C. WILLIS, Director to the Royal Botanical Gardens of Ceylon, Mr. C. E. H. SYMONS, put up for sale at the Chamber of Commerce at noon on Saturday 70,000 Para rubber seeds in seven lots of 10,000 each. The sale was poorly attended, there being only seven gentlemen present, besides Mr. SYMONS, but the bidding was satisfactory if not brisk. Mr. SYMONS opened the sale by reading the conditions under which the seeds were to be purchased, stating these to be that purchasers would be required to enter into a written agreement to the effect that the seed shall be cultivated in Ceylon in suitable Districts and that it shall not be re-sold."

Crescentia cujete.—The tree in our garden yearly produces fruits often a foot or more in length, but the seeds are flat and thin and do not germinate. The flower has been regularly fertilized with its own pollen which is plentiful but without success. Hearing that this kind of Crescentia produces fertile seeds in Bombay we wrote to the Superintendent of the Victoria Gardens asking him to send some. He sent a couple of fruits down, the seeds of which will be sown and the young plants distributed to members when ready.

Financial Statement for April, 1898.—Read and passed.

A. G. BOURNE, *Honorary Secretary.*

Proceedings of the Agri-Horticultural Society, Madras, for May, 1898.

(*Circulated to the Members on 7th June*, 1898.)

The following contributions were made to the Garden Library during the month :—

Report on the Natal Botanic Gardens for the year 1897 and Colonial Herbarium report for 1897, from the Curator of the gardens.

Journal of the Royal Horticultural Society, Vol. XXI, part 3, from the Secretary of the Society.

Bulletin No. 4 of the Department of Land Records and Agriculture, Bengal on Mustards, cultivated in Bengal, by Dr. D. Prain, from the auther.

Indian Gardening for April 14th, 21st and 28th, May 5th and 12th, from Mr. J. Jackson, the Editor.

Tropical Agricultarist for May, 1898, from the Editors.

Agricultual Journal, Vol. II, part 4, from the Director, School of Agriculture, Galton, Queensland.

Bulletin of the Botanical Department, Jamaica, Vol. V, part 1, from the Director of the Gardens.

Indian Forester Vol. XXIV, No. 4, for April, 1898, from Mr. J. S. Gamble, the Editor.

Priced Catalogue of choice Cacti from F. A. Haage Jun. Erfurt. for 1898.

Report on the operations of the Department of Land Records and Agriculture, Madras Presidency for the official year 1896-97.

Revue Agricole et journal de la chambre D'Agriculture de L'Ile Maurice, Mars 1898, No. 3.

Planting opinion, April 23rd and 30th, May, 7th and 14th from Mr. E. C. Duff, the Editor.

Annual Report of the Agricultural Department Zanzibar for 1897.

Report of the Nilgiri Agri-Horticultural Society's Show held on the 23rd April, 1898, from the Honorary Secretary of the Society.

The "Shamba" a Journal of Agriculture for Zanzibar for March and April, 1898.

Exchange Seed list of the University of California March, 1898, from the Agricultural Experiment Station of Berkely, U. S. America.

Progress of the work of the Indian Gardening Association for 1898-99, from the Secretary of the Association, 181, Upper Circular Road, Calcutta.

Circular No. 4 of Series 1, dated January 27th, 1898, of the Royal Botanic Gardens, Calcutta.

Contributions to the Flora of Queensland, by Mr. F. M. Bailey.

Memoirs of the Geological Survey of India, Palœontologia Indica Series XV, Vol. 1, part 3, from the Secretary, Revenue Board, Madras.

The Pests and Blights of the Tea Plant, by Dr. G. Watt, from the author.

The following contributions were made to the Gardens:—

Seed of Tecoma stans and Gmelina hystrix from Mr. G. H. Krumbiegel, Superintendent, State Gardens, Baroda, Part sown in the gardens, on 16th April, 1898

Two fruits of Crescentia cujete from the Superintendent Victoria Gardens, Bombay. Sown and distributed on 14th May, 1898.

A plant of Birds-nest fern, Thamnopteris nidus, from Mr. Eardley Norton, Teynampett, Madras. Placed in No. 1, Conservatory.

Seeds of Ficus altissima, Swietenia macrophylla, and Sterculia fœtida from Dr. D. Prain, Superintendent, Royal Botanic Gardens, Calcutta. Sown on 4th, and 11th and 27th May, respectively, also distributed.

Seed of Hardwickia binata from the District Forest Officer, Salem. Part sown on 14th May and part distributed.

Seed of Tirah Beans, and Mucuna nivea from Mr. W. Gollan, Superintendent, Government Botanic Gardens, Saharanpur.

Catalogue of Plants.—Read letter Mr. J. N. Atkinson, Acting Collector of Madras, dated 2nd March, 1891, asking for a catalogue of such plants as are to be found in the Madras District to enable him to collect botanical specimens for the Indian Museum, Calcutta.

Replied and forwarded a list of the trees, shrubs, and herbaceous plants grown in the gardens of Madras and immediate vicinity.

Gourami Fish.—Brig. Surgeon A. M. Branfoot presented 43 Gourami and other fish to the Society. These were placed in the Victoria and oval tanks.

Indian vegetable seeds for the French Colonies.—By request of Messrs. VILMORIN ANDRIEUX & Co., Paris, the following seeds were sent, free of charge, for distribution to French Colonies :—

Cucumis maxima.	Amaranthus gangeticus.
Hibiscus esculentus.	Rumex vesicarius.
Phaseolus lunatus.	Cajanus indicus.
Vigna catiang.	Cucumis melo.
Cyamopsis psoralioides	Cucumis sativus.
Luffa acutangula.	Citrullus vulgaris.
Trichosanthes anguinea.	Phaseolus sp.
Momordica charantia.	

Kola Plants.—Two plants of Kola acuminata were presented to Mr. N. Subramanyam, a new member of the Society, for trial in his garden at Mylapore, Madras.

Proceedings of the Madras Government, Revenue Dept. :—

Sisal hemp.—Read the following letter from the Honorary Secretary, Agri-Horticultural Society, Madras, No. 555, dated 12th April, 1898.

"I have the honour to report for the information of Government that for some years the Society has been endeavouring to introduce from Mexico the new and most valuable fibre plant, Agave rigida var. Sissalana which produces the sisal hemp of commerce.

"In October, 1890, the Society received from Kew gardens a few plants of the Agave and has succeeded in raising a very large stock of young plants from suckers and bulblets. Upwards of 3,000 plants are now available.

"The Committee thinks it desirable that these plants now ready for distribution should be tried in various soils and dry climates of the Presidency and therefore propose to place them at the disposal of Government reserving only a small stock for trial locally by correspondents.

Order thereon, No. 1804, *Miscellaneous dated* 25*th April*, 1898.

The Committee's offer will be accepted with thanks and the Board of Revenue will be requested to arrange for distribution and trial of the plants.

Resolution of the Board of Revenue (Revenue Settlement, Land Records, Agriculture), Madras.

"The Collectors of Bellary, Anantapur, Cuddapah, North Arcot, Nellore, Salem, Coimbatore and Madura will be requested to report whether they can arrange to give the Sisal hemp a fair trial and if so to state how many plants they will require.

Tirah Bean.—Read letter from Mr. GOLLAN, Superintendent Government Botanic Gardens, Saharanpur, N.-W. P., dated 10th May, 1898, advising despatch of a packet of seed of a French Bean collected in Tirah on the N. W. Frontier. The bean he says "is small but produces a very fair pod. Experiment made with it here tends in the direction of proving that this variety of French Bean can be grown with success on the plains all the year round." Also by request Mr. GOLLAN sent a packet of seed of Mucuna nivea, part has been sown, and the remainder reserved for distribution among the members.

Recorded.

Hardwickia seed.—Two ounces of the seed was sent to Dr. D. PRAIN, Superintendent, Calcutta Botanic Gardens in reply to his request of the 10th October last, and one ounce to Mr. De MELLO, Executive Engineer, Arrah, Bengal, in reply to his request of the 12th October, 1897, and a part of the remainder was sown in the gardens.

The seed was supplied by the Conservator of Forests, Salem, to whom thanks were accorded.

List of the plants in flower and Fruit :—

IN FLOWER—

Adenanthera pavonina
Areca catechu
Caryota urens
Pterocarpus indicus
Amaryllis reginæ
Zephyranthes carinata
Nauclea parviflora
Poinciana regia
Cassia siamea
Quisqualis indica

IN GREEN FRUIT—

Aleurites triloba
Guatteria longifolia
Azadirachta indica
Walsura piscidia
Kigelia pinnata
Achras sapota

WITH RIPE FRUIT—

Albizzia lebbek
Cassia siamea
Cæsalpinia coriaria
Spathodea campanulata
Bombax malabaricum
Eriodendron anfractuosum
Parkia biglandulosa
Ægle marmelos
Ailantus excelsa
Prosopis spicigera
Mangifera indica
Pterospermum suberifolium
Peltophorum ferrugineum
Tecoma stans
Acacia auriculiformis
Hibiscus collinus
Cæsalpinia sappan
Myroxylon toluiferum

Proceedings of the Agri-Horticultural Society, Madras, for June, 1898.

(Circulated to the Members on 6th July, 1898.)

The following contributions were made to the Garden Library :—

Kew Bulletin of Miscellaneous Information for December, 1897, January, February, and March, 1898, from the Director, Royal Gardens, Kew.

Agriculture Ledger of 1897, No. 18, White Ants, and No. 20, Al Dye, from Dr. George WATT, the Editor.

Queensland Agricultural Journal Vol. II, part 5, for May, 1898, from the School of Agriculture Galton, Brisbane.

Tropical Agriculturist for June, 1898, from the Editor.

Suttons' Amateurs' Guide in Horticulture, for 1898, from Messrs. SUTTON & SONS.

Proceedings of the Madras Government, No. 253 and 253A, dated 5th May, 1898, about planting of Ceara Rubber in the Nilgiris, from the Madras Government.

Report of the results obtained on the experimental fields in Antigua, 1897, from the Government Laboratory Antigua.

Bulletin of Miscellaneous Information, Trinidad Royal Botanic Gardens, part IV, Vol. III, dated April, 1898, from the Gardens.

Experiment Station Record, Vol. IX, Nos. 8 and 9, from the U. S. Department of Agriculture, Washington.

Planting Opinion, for May, 21st and 28th, June, 4th, 11th, 18th and 25th, from Mr. E. C. DUFF, the Editor.

Indian Forester, for May, 1898, from Mr. J. S GAMBLE, the Editor.

Proceedings and Journal of the Agricultural and Horticultural Society, Calcutta, for January to March, 1898, from the Society.

Memorandum on the purchase in Europe of Carrot and for the purposes of Famine Relief in Northern India by Mr. George BIRDWOOD, the Editor.

Report on the operations of the Department of Land Records and Agriculture, N. W. P. and Oudh, for the year ending 30th September, 1897, from the Director of the Department.

Review of Agricole et Journal de la chambre d' Agriculture, 30th May, 1898, from the Director.

Indian Gardening for May, 26th, and June, 2nd and 9th, from Mr. H. St. John JACKSON, the Editor.

Farmers' Bulletin No. 75, from the U. S. Department of Agriculture, Washington, 1898.

Contributions to the Flora of Queensland by Mr. Mason Bailey, from the Editor.

The following contributions were made to the Gardens :—

Seed of Filicum decipiens, from Mr. H. F. Macmillan, Curator Royal Botanic Gardens, Peradeniya.

Seeds of Thrinax barbadensis, T. radiata, T. parviflora, T. argentea, Hoffmannia pedunculata, and Copaifera officinalis, from Proff Max Cornu, Director Museum and Gardens, Paris.

Seed of Helichrysum bracteatum, from Mrs. Bourne, Kodaikanal.

Roots of Begonia geranioides, Nerine pancratioides, and Nerine flexuosa, from the Botanic Gardens, Durban, Natal.

Seed of Yca cotton, from Mr. Hamilton Holmes, Bangalore.

Seed of Swietenia mahagoni, from Dr. David Prain, Superintendent, Royal Botanic Gardens, Calcutta.

Twenty seeds of Telfaira pedata from the Director, Royal Botanic Gardens, Berlin.

The following is a list of the plants in flower and fruit :—

In Flower—

Tamarindus indica
Hura crepitans
Dalbergia sissoo
„ frondosa
„ spinosa
Cycas circinalis
Dillenia indica
Stereospermum suaveolens
„ chelonoides
Gardenia latifolia
„ Thunbergii
„ gummifera
Barringtonia acutangula
Elæodendron glaucophyllum
Lagerstræmia flos-reginæ
„ indica
Vitex trifolia
Vangueria edulis
Nauclea parviflora
Memecylon edule
Crescentia cujete
„ alata
Cassia marginata
Kleinhovia hospita
Berrya ammonilla
Poinciana regia
Clematis gourania
Ochna squarrosa
Diospyros montana
Citharexylon subserratum
Albizzia lebbek
Sanseveria guineensis
Vanda Roxburghii
Pavetta indica

In Green Fruit—

Sclerocarya caffra
Careya arborea
Coccoloba uvifera

With Ripe Fruit—

Walsura piscidia
Elæis guineensis
Cocos plumosa
Gmelina asiatica
Thrinax argentea
Cordyline australe
Tanghinia venenifera
Cordia myxa
„ Rothii
Achras sapota
Gmelina hystrix
Phœnix farinifera
Casuarina equisetifolia

Cardamom.—Mr. S. R. Turnbull, Consul for the Netherlands at Madras, in his letter dated 13th May, 1891, writes as follows :—

Dr. W. R. Tromp de Hass of Buitenzorg, Java, has written to me as Netherlands Consul here to send him some cuttings and fertile seeds of the Elettaria cardamomum and asking for information regarding the art of growing the plant, I shall be much obliged if you can kindly assist me in the matter. Dr. Tromp de Hass adds "that the Botanic Gardens at Buitenzorg contain specimens of Cardamom but the plants there will not blossom neither bear fruit. In order to secure plants useful to me it will be of the greatest importance to have such plants as are taken from the very place where they grow to full maturity," I have no doubt Dr. Hass would be glad to reciprocate should you desire to have any plants or seeds from Java.

Eight ounce of fresh Cardamom seed was forwarded to Mr. S. R. Turnbull with directions for cultivation.

Ruellia Variety.—Specimens of Ruellia tuberosa flower were shewn and also a variety of a delicate pink or almost white colour. A single plant of the latter was found by the Superintendent among a large number of the ordinary blue flowered kinds growing wild near the nursery. This variety comes true from seed.

Correction.—Read post card from Mr. H. Man, Port Blair, dated 26th May, 1898, respecting the height of Palms.

"With reference to your Proceedings for October to December, 1897, page 124, I observe that you describe the Ptychoraphis augusta as a dwarf palm. It attains a height of about 80-100 feet, in the Andamans."

Our remarks on p. 124 ante referred, of course, to its growth locally, our oldest plant dates back to December, 1890, and has been planted out in the palmētum for over 5 years. The plant is at present only 5 feet high.

Recorded.

Obituary.—The Society records with great regret the death on the 8th June, 1898, of the Hon. Mr. J. Grose, C.I.E., who had been a subscriber since the year 1869. He also served on the Committee for five years during which period his excellent suggestions and advice were highly appreciated.

As acting Director of Revenue Settlement and Agriculture in 1886, he bore testimony in an official communication to the utility of the Society to the general public of the Presidency and its services rendered to the Agricultural Department by the distribution of seeds and plants of great economic value. Particular reference was made to the valuable information furnished by the Society on the subject of grafting the edible cactus on the common variety, and on that of indigenous salt plants for the reclamation of salt soils, matters which at that time attracted considerable attention.

By his death the Society has lost a staunch supporter who had always evinced a genuine interest in its progress and welfare.

Rainfall.—During the month 2 inches and 11 cents fell in 5 days as registered by the garden Rain gauge.

Financial Statement for June, 1898.

HENRY C. WEST,
Acting Honorary Secretary.

FINANCIAL STATEMENT, FOR APRIL TO JUNE, 1898.

RECEIPTS.	Amount.			Amount.			EXPENSES.	Amount.			Amount.		
	Rs.	A.	P.	Rs.	A.	P.		Rs.	A.	P.	Rs.	A.	P.
Balance with Messrs. Binny & Co. on 31st March, 1898 ...	1,920	12	5				Wages of Establishment ...	1,047	11	11			
Do. in hand for transmission to the bank on 31st March, 1898	51	14	0				Do. Coolies	169	3	0			
Do. in hand, petty cash on 31st March, 1898 ...	51	13	0				Garden requisites	17	2	10			
				2,024	7	5	Pots, &c.	63	7	0			
By sale of seeds during April to June, 1898	344	11	3				Seeds purchased	367	5	11			
Do. plants do. ..	200	12	0				Plants do.	110	8	0			
Do. sundries do. ...	220	12	0				Red Hills water supply ...	126	9	7			
By loan of plants do. ...	179	5	0				Municipal House, water & lighting tax	22	14	0			
By subscription from Members, during April to June, 1898.	529	12	0				Repairs	124	8	1			
By Government monthly grants, during April to June, 1898.	750	0	0				Books and periodicals ...	64	5	4			
				2,225	4	3	Printing and advertising ...	72	15	0			
							Postage on letters, seeds and Proceedings	22	12	0			
							Museum & Adyar Club grounds planting expenses ...	68	12	0			
							Rail charge, cart and cooly hire and packing charges, &c.	217	7	6			
							Flower Show expenses ...	156	0	0			
											2,551	10	2
							Balance with Messrs. Binny & Co., on 30th June, 1898...	1,538	6	7			
							Do. in hand for transmission on 30th June, 1898 ...	95	8	0			
							Do. do. petty cash on 30th June, 1898 ...	64	2	11			
											1,698	1	6
Total Rupees...	.....			4,249	11	8	Total Rupees...	...			4,249	11	8

Agri-Horticultural Society, Madras, *2nd August*, 1898.

A. G. BOURNE, *Honorary Secretary.*

Proceedings of the Agri-Horticultural Society of Madras, for the month of July, 1898.

Circulated to the Members on 3rd August, 1898.

The following contributions were made to the Garden Library :—

Year book of the Department of Agriculture, Washington, 1897, from the Director of the Department.

Queensland Agricultural Journal, part 6, Vol. II, from the Director of the Department.

Natal plants by T. MEDLEY WOOD, part I, Vol. I, from the Author.

Annual Report, Missouri Botanical Garden, 1892, from the Director of the Gardens.

Experiment Station Record, part 10. Vol. IX, from the United States Department of Agriculture, Washington.

Tropical Agriculturist for July, 1898, from the Editor, Colombo.

Annual Administration Report of the Forest Department, Madras Presidency for 1896-97.

Indian Forester, No. 6, Vol. XXIV, for June, 1898, from the Editor.

Kew Bulletin for April, May and June, 1898, from the Director, Royal Garden, Kew.

Bulletin No. 4, Agricultural Department of Assam, 1898.

Annual Report on Government Gardens and Parks in Mysore, for the year 1896-97, from the Government of Mysore.

Planting Opinion for July 2nd, 9th, 16th, 23rd, from the Editor.

Cicular of the Royal Botanic Gardens, Peradeniya Ceylon, No. 5, dated May 2nd, on the Botanic Garden, Badulla; No. 6, dated June 11th, on insects injurious to stored paddy and No. 7, dated June 11th, on instuctions for collecting and sending specimens of plants and insects for report.

Annual Report of the Royal Botanic Gardens, Trinidad, for 1897, from the Superintendent of the Gardens.

The Shamba a Journal of Agriculture for Zanzibar, for May and June, 1898.

William Bulls' list of New, Rare and beautiful Plants and Orchids for 1898.

Annual Report of the Royal Botanic Gardens Calcutta, for the year, 1897-98, from the Superintendent of the Garden.

Revue Agricole et Journal de la chambre d' Agricole de L' Ile Maurice for June, 1898.

Proceedings of the Nilgiri'Agri-Horticultural Society, for July, 1898, and Annual General Meeting of the Society, for 1897.

Proceedings of the Madras Government, No. 362, dated 28th June, 1898, on Methods of Immunising cattle against Rinderpest, and Nos. 386, 386A, dated 12th July, 1898, Reviewing Annual Administration Report of the Government Botanical Gardens, Nilgiris for 1897-98.

The following contributions were made to the Gardens:—

Twenty-four bulbs of Tigridia fulva and plant of Phalænopsis from Mr. J. CAMERON, Superintendent, Lal Bagh, Bangalore.

Two plants of Holostemma Rheedii, from Mr. T. J. FERGUSON. Calicut.

Two bags of seed of Adansonia digitata, from Dr. D. PRAIN, Superintendent, Royal Botanic Gardens, Calcutta.

Seeds of Musa sp. and Juniperus procera, from the Director, Royal Botanic Gardens, Berlin.

Plants of Anæctochilus and seeds of Ceropegia Thwaitsi, Blumea barbata and hierocifolia, from Mrs. BOURNE, Adyar.

Seed of Thrinax altissima, from the Director, Museum and Gardens, Paris.

Books presented.—Garden Oracle and Floricultural-year Book for 1892, 1893, 1894 and 1895.

Sugar made from Maize and Sorghum, &c., by Mr. F. L. STEWART, 1880.

Descriptive catalogue of the silk section of the Royal Jubilee Exhibition of Manchester of 1887, by Mr. THOMAS WARDLE.

Pereira's Materia Medica, part 1, Vol. II,

The Genera of plants, by R. A. SALISBURY, 1866.

The Sugar Planter's Manual, by Dr. EVANS.

Amateurs' Rose book, by SHIRLEY HIBBERD, 1878.

Orchid-growers' Manual, by B. J. WILLIAMS, 1877.

Choice stove and green house Flowering plants, by B. J. WILLIAMS, in 2 Vols. 1875-76.

JOHNSON's Gardeners' Dictionary with supplement, 4th Edition, 1886.

Materia Medica, by Dr. ROYLE and Dr. HEADLAND, 4th Edition, London, 1865.

Dr. SHORTT's Manual of Indian Agriculture, Madras, 1889.

Cotton in the Bombay Presidency, by W. R. CASSSELS, 1862.

Figuier's The Vegetable World, London, 1867.

Species Filicum, by Sir W. J. Hooker, plates CXLI—CCX, Vol. III.

Hand book of the British Flora, by G. Bentham, London. 1858.

Hill Tracts of Arakan, by Major W. G. Hughes, Rangoon, 1881.

A complete Timber Measurer, by R. Horton, London, 1885.

A Dictionary of Trade products and Commercial Terms, by Mr. Simmonds.

A Treatise on the cultivation and varieties of Mangoes, by Mr P. C. De, Calcutta, 1897.

Dendrology, by J. Wells, London, 1833.

T. R. Johnson's Commercial Atlas.

Resolved that the thanks of the Committee be tendered to Mr. Gleeson for his valuable additions to the Garden Library.

Vitality of Hevea Seeds.—In continuation of our note on the vitality of Para rubber seed, p. 163, *ante*, the following extract from the Gardeners Chronicle may prove of interest. "The several species of Hevea known to yield commercial caoutchoue are natives of Brazil and Guiana. Their seeds are now in great demand, but there appears to be some difficulty in obtaining them fresh. Some of the seeds received here are too old to grow, having, probably laid under the trees for months before they were collected. If the seeds are collected as they fall from the trees, and packed dry in wooden boxes, they will retain their vitality for several months. They have been sent to Kew, from Guiana, Trinidad, and Ceylon in bags or small wooden boxes, and nearly every seed thus sent has germinated. Last year a consignment of seeds reached Kew in a partially germinated condition owing to their having been packed in moist soil. They were accordingly planted thickly in boxes and when about a foot high, the boxes were fixed inside Wardian-case, and despatched on long journeys with success. A large importer of these seeds found it a good plan to sow them in boxes and when the seedlings were a foot high to cut them down to about six inches, this treatment made them sturdy and better able to support a long seavoyage; it also reduced the space they needed, flat-topped, shallow

boxes with glass lids sufficing for them. The seeds require a tropical temperature and plenty of moisture to induce them to germinate."—*Gardeners' Chronicle, July 2nd*, 1898.

Flower, &c., Calender for July, 1898.

In Flower—

Bauhinia diphylla
„ acuminata
„ galpini
Justicia ecbolium
Adhatoda vasica
Malpighia heteranthera
Graptophyllum hortense
Bixa orellana
Quassia amara
Bunchosia glandulosa
Oxandra virgata
Cordia sebestena
Tectona grandis
Antigonon white variety
Citharexylum subserratum
Poinciana pulcherrima
Duranta Plumeri
Lagerstræmia indica
Holarrhena antidysenterica
Wrightia mollissima
Cassia Roxburghii
Murraya exotica
Eugenia myrtifolia
Ipomæa carnea
Givotia rottleriformis
Memecylon edule
Acacia auriculiformis
Chlorophora tinctoria
Hibiscus elatus
Cassia tomentosa
Solanum Seaforthianum
Thunbergia grandiflora
Tristellateia australasica

With Green Fruit—

Dalbergia spinosa
„ sissoo
„ frondosa
Pongamia glabra
Pterocarpus marsupium
„ santalinus
„ indicus
Sclerocarya caffra
Strychnos nux-vomica
Cycas circinalis
Kleinhovia hospita
Borassus flabellifer
Terminalia arjuna
Vitex trifolia
Lagerstræmia flos-reginæ
Kigelia pinnata
Feronia elephantum
Artocarpus incisa
Trapa bispinosa
Adenanthera pavonina
Santalum album
Azadirachta indica
Bignonia megapotamica
Cassia fistula
Pavetta indica
Heterophragma adenophylla
Sterculia alata
„ fœtida
Rauwolfia canescens
Diospyros montana
Tamarindus indica
Atalantia monophylla
Barringtonia acuminata

With Dried Fruit—

Erythrina indica
Aleurites moluccana
Gmelina hystrix
Casuarina equisitifolia
Livistona rotundifolia (?)
Elæis guineensis
Coccoloba uvifera
Careya arborea
Schliechera trijuga
Guajacum officinale
Peltophorum ferrugineum.

Seeds for Madagascar.—Read letter from Messrs. Vilmorin Andrieux and Co., Paris, 5th July, 1898, thanking us

for the collection of country vegetable seeds sent to them for distribution to French Colonies and expressing a hope that they will have an opportunity to reciprocate.

List of plants ready for distribution to Members :—

Cæsalpinia minor
Gymnosporia emarginata
Canarium commune
Coffea Wightiana
Hevea braziliensis
Nalkanaad Coffea
Sapindus saponaria
Acacia auriculiformis
Thuja orientalis
Persea gratissima
Blighia sapida
Cinnamomum camphora
Toxicophlæa spectabilis
Taraktogenos Blumei
Spathelia simplex
Hymenæa courbaril
Albizzia pruinosa
Cæsalpinia tora
Sterculia heterophylla
Cedrela toona
Brexia madagascariensis
Mimusops globosa
Milletia sp.
Pithecolobium polycephalum
Acacia melanoxylon
Brownea grandiceps
Mammea americana
Garcinia gambogia
Myristica moschata
Erythroxylon coca
Dillenia indica
Spathilobus Roxburghii
Phœnix rupicola
Erythrina lithosperma
Cynometra trinitiensis
Solanum Wendlandi
Porana racemosa
Brownea spectabilis
Peltogyne porphyrocardia
Copaifera officinalis
Crescentia cujete
Yca valley cotton
Sterculia urens
Thrinax barbadense
Stigmaphyllum ciliatum
Phœnix canariensis

Financial Statement for July, 1898.
Read and passed.

Rainfall.—During the month 3·57 inches of rain fell in 8 days as registered by the Garden Rain Gauge.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Agri-Horticultural Society of Madras, for the Month of August, 1898, Meeting held on Monday, the 5th September, at 7 a.m.

PRESENT.

C. SOWDEN, ESQ.
M. HAMMICK, ESQ., I.C.S.
HON. DR. D. DUNCAN.
C. MICHIE SMITH, ESQ.
E. B. POWELL, ESQ.
THE HON. MR. JUSTICE R. S. BENSON.
THE HON. MR. J. STURROCK (*in the chair*).

DR. A. G. BOURNE (*Honorary Secretary*).

The following contributions were made to the Garden library during the month :—

Kew Bulletin of Miscellaneous Information for July, 1898, from the Director, Royal Gardens, Kew.

Journal of the Royal Horticultural Society, part 1, Vol. XXII, from the Society.

Queensland Agricultural Journal, part 1, Vol. III, and part 6, Vol. II, from the Secretary of College of Agriculture, Galton.

Indian Forester, part 7, Vol. XXIV, for July, 1898, from the Editor, Dehra-Dun.

Jamaica Bulletin of the Botanical Department, part 2, Vol. V, from the Director of the Public Gardens and Plantations, Jamaica,

Experiment Station Record No. II, Vol. IX, from the U. S. Department of Agriculture, Washington.

General Report on the work carried on by the Geological Survey of India, from 1897 to 1898.

Records of the Botanical Survey of India, Nos. 9 and 10, Vol. I.

Report from the Director, Botanic Gardens, and Domains Gardens, N. S. Wales, for the year 1897.

Agricultural Ledger 1898, No. 4. Castanea vulgaris ; 5, Cattle disease ; 2, Indian soils ; 3, Indian Aconite ; No. 1, Rape and mustard.

The Flora of Western India, by Mr. G. MARSHALL WOODROW, parts II, III and IV.

Monograph on the Cotton fabrics of Bengal, by Mr. R. N. BANERJEI, Assistant Director ofLand Records and Agriculture, Bengal, 1892.

Planting Opinion for July 39th, August 6th, 13th and 29th, from the Editor.

Proceedings of the Madras Government No. 426 of the 2nd August 1898, reviewing the Report of the Government Cinchona Department, Nilgiris, Nos. 386, 386A, of the 12th July, 1898, reviewing the report of the Government Botanical Department ; No. 364, of the 28th June, 1898, Re-Lady birds.

Report on Experimental cultivation in the Southern Shan States for the year, 1879-1898.

Report on the Government Agri-Horticultural Gardens, Lahore for 1897-98.

Catalogue of " Plantes Vivantes, offertes en exchange aux jardins' botaniques from le Museum d' Historic Naturelle de Paris," 1898.

Revue Agricole et journal de la chambre D'Agriculture de L' Ile, Maurice Nos. 6, 7, 8, of 1898.

The following contributions were made to the Gardens during the month :—

Seeds of the undermentioned from the Director, Royal Botanic Gardens, Ceylon :—

Ochrosia acuminata
Exacum zeylanicum var macranthum
Tabernæmontana dichotcma
Dillenia retusa
Lysidice rhodostegia
Ochroma lagopus
Loxoccus rupicola
Thourivia guineensis
Tithonia diversifolia
Paveuta madagascariensis
Cassia grandis
Doona zeylanica
Vitex trifolia
Calyptrocalyx spicatus.

Seeds of the undermentioned from the Director, Botanic Gardens of Java :—

Acacia spherocephala
Antigonon leptopus
Bixa orellana
Calophyllum inophyllum
Canarium, sp.
Cassia fistula
„ glauca
„ alata
„ timorensis.
„ javanica.
Cæsalpinia sappan.
Cedrela serrata
Canthium glabrum.
Dæmanorops melanochætes
Dammara alba.
Livistona olivæformis
Livistona Hoogendorpei
Lagaropyxis gigantea
Melia azadirachta
„ arguta
Ormosia sumatrana
Pinanga Kuhlii
Peltophorum ferruginea
„ dasyrhachys
Pterocarpus santalinus
Sendora sumatrana
Spathodea stipulata
Strychnos nux-vomica
Terminalia catappa
Zanonia macrocarpa

Seed of Zephyranthes sulphurea, from the Agri-Horticultural Society, Calcutta.

One large plant of Cocos australis, from Mr. HENRY C. WEST, Egmore, Madras.

Two plants of a hybrid coffee, from Mr. E. B. POWELL, Teynampett, Madras.

Budget Estimate—Read the following paper, from Dr. A. G. Bourne, Honorary Secretary, Agri-Horticultural Society, Madras, to the Chief Secretary to Government, dated 23rd July, 1898, No. 970, forwarding budget estimate for 1899—1900.

DETAILED ACCOUNT No. 26-G. Scientific, &c., Departments

Botanical and other Public Gardens.

	Budget estimate, 1899-1900.	Revised estimate, 1898-99.	Budget estimate, 1898-99.	Accounts, 1897-98.
	RS.	RS.	RS.	RS.
OTHER PUBLIC GARDENS.				
Agri-Horticultural gardens, Madras	4,000	4,000	4,000	4,000
Receipts.				
Government monthly and extra grant	**3,500**	**3,500**	**3,500**	**3,500**
,, special grant for flower-show ..	**500**	**500**	**500**	**500**
By sale of seeds	1,400	1,250	1,750	1,252
,, of plants	1,000	1,100	1,400	992
,, of sundries	1,100	1,375	1,000	1,162
By subscription from members	1,600	1,500	1,800	1,404
By sale of admission tickets at flower-show	900	900	900	930
Total ...	10,000	10,125	10,850	9,740

	Budget estimate, 1899-1900.	Revised estimate, 1898-99.	Budget estimate, 1898-99.	Accounts, 1897-98.
Expenses.	RS.	RS.	RS.	RS.
Flower-show expenses ...	1,400	1,400	1,400	1,063
Printing and advertising ...	300	300	300	233
Stationery and postage ...	100	100	140	114
Books and periodicals ...	150	150	160	145
Establishment	4,200	4,200	4,000	4,191
Cooly labour	700	700	760	688
Carts, cooly-hire, rail charges and packing	500	600	500	658
Seeds purchased...	1,300	1,300	1,500	1,228
Plants ,, ...	250	250	350	231
Pots and potting materials ...	200	240	200	168
Quit-rent and Municipal tax ...	50	50	50	50
Red-Hills water-supply ...	450	450	450	477
New buildings and repairs to old	150	150	100	74
Garden requisites and repairs to fernery and sheds ...	150	175	200	150
Petty expenses	100	100	200	47
Museum ground-planting expenses	...	...	..	52
Present to Superintendent *re* flower-shows	...	...	...	100
Total...	10,000	10,165	10,310	9,669

Order No. 680, *Financial, dated* 10*th August*, 1898.—The usual grant of Rs. 4,000 will be entered in the budget for 1899—1900. The special allotment (Rs. 500) for prizes will not, however, be disbursed in the event of the annual flower-show not being held in 1900.

(True Extract.)

F. J. WILSON,

for Chief Secretary.

Senegal Arachis.—Read letter from the President of the Chamber of Agriculture, Pondicherry, dated, 6th August, 1898, forwarding a parcel of seed of Senegal Arachis for experimental sowing.

Maistry.—Read letter from Manickum, Head Maistry, asking the Honorary Secretary for an increase of wages.

The Committee resolves to raise his pay from Rupees 20 to 25 a month from the commencement of 1899.

Rainfall.—During the month 6·66 inches fell in 8 days as registered by the garden Rain gauge.

Financial Statement for August, 1898.

Read and passed.

Resolved that the Municipality and Police be asked to do something in the way of abating the stench that makes the South side of the garden unfit for visitors.

Tobacco.—Resolved that Messrs. Spencer and Co., McDowell and Co., Oakes and Co., be asked to suggest the best method of encouraging the ryot to secure improvement in the culture and curing of Tobacco.

Revision of Prize List.—Resolved to make the following alterations in the Prize list for 1899 :—

A Prize of Rupees eighteen, will be offered for a collection of well-grown ferns, not more than one pot of each to be exhibited. The Prize for Roses to be reduced to Rupees ten, and the prize for the best single specimen fern and the second prize for Dracænas be withdrawn.

J. STURROCK,
Chairman.

A. G. BOURNE,
Honorary Secretary.

Proceedings of the Agri-Horticultural Society of Madras, for September, 1898, Meeting held at the Gardens, on Monday, the 3rd October, 1898, at 7 a.m.

PRESENT:

MR. E. B. POWELL.	THE HON. DR. D. DUNCAN
SURGEON-GENL. C. SIBTHORPE.	MR. C MICHIE SMITH.
THE HONORABLE JUSTICE R. S. BENSON (*in the chair*).	DR. A. G. BOURNE (*Honorary Secretary*).

The following contributions were made to the garden Library during the month:—

Proceedings of the Royal Colonial Institute for 1897-98, from the Secretary of the Society.

Kew Bulletin of Miscellaneous Information for August, 1898, from the Director of the Gardens.

Bulletin No. 5, of the Agricultural Department of Assam, from the Director of the Department.

Partial Report of Work of the Agricultural experiment Stations of the University of California for the years 1895-96, and 1896-1897, from the University of California.

Tropical Agriculturist for August and September, 1898, from Messrs. A. M. and J. FERGUSON, the Editors and Publishers.

The Indian Forester for July, and August, 1898, from Mr. J. S. GAMBLE, the Editor.

Records of the Botanical Survey of India, No. 11, Vol. I, from the Director of the Survey Department, Calcutta.

Queensland Agricultural Journal, part 2, Vol. III, from the Principal Agricultural College, Galton, Queensland.

Proceedings and Journal, of the Agri-Horticultural Society of India, for April to June, 1898, from the Secretary.

Report on the Government Horticultural Gardens, Lucknow, for the year ending 31st March, 1898, from the Superintendent of the Gardens.

Report on the Progress and condition of the Government Botanical Gardens, Saharanpur and Arnigadh for the year ending 31st March, 1898, from the Superintendent of the Gardens.

Report of the Operations of the Department of Land Records and Agriculture, Central Provinces from the Director of the Department.

Agricultural Ledgers for 1898, No. 7, Piper nigrum, and No. 6, Oroxylum indicum, from the Editor, Dr. G. WATT.

Planting Opinion for August 27th, September 3rd, 10th, 17th and 24th, from the Editor.

Revue Agricole et Journal de la chambre d'Agriculture de L'Ile Maurice, August, 1898.

Annual Report of the Tenasserim Agri-Horticultural Society of Moulmein for 1897-98, from the Secretary.

The Principal Poisonous plants of the United States, by V. R. CHESNUT, from United States Department of Agriculture, Washington.

Report of the Director of the Botanical Survey of India, for the year 1897-98.

Bulletin of the Botanical Department, Jamaica, March, 1898, from the Superintendent of the Department.

Annual Report on the Government Cinchona Plantation and Factory in Bengal, for the year 1897-98.

Proceedings of the Government of Madras, Nos. 424, 424A, dated 1st August 1898, re-Lady Birds and No. 426, dated 2nd August, 1898, reviewing the Report on the Administration of the Government Cinchona Department, Nilgiris.

Catalogue of Tuberous rooted plants and bulbs for 1898-1899, from WILLIAM BULL.

BOEHMER AND Co's. YOKOHAMA Catalogue of seeds and plants for the season 1898-99.

VILMORIN ANDRIEUX AND Co.'s seed list for 1898-99.

Proceedings of the Nilgiri Agri-Horticultural Society, July, 1898, and Report on Strawberry planting at Ootacamund.

Contributions to the Flora of New Guinea and Contributions to the Queensland Flora, by Mr. F. M. BAILEY, 1898.

The "Shamba" Journal of Agriculture for Zanzibar, August, 1898.

Plants from Durbungah.—Read letter from Mr. H. THORN, Superintednent of the Raj Gardens, Durbungah, Tirhoot, dated 26th August, forwarding the undermentioned plants in exchange for seeds, &c., received from the Society.

Ficus elastica albo-variegata.	Solanum Wendlandii.
Pani cum variegatum.	Phrynium variegatum.
Sain tpaulia ionantha.	Dracæna Lord Wolseley.

Victoria regia Water lily.—By request of Mr. H. F. MACMILLAN, Curator, Royal Botanic Gardens, Peradeniya we despatched per S.S. Mombassa a Wardian case with Four plants of Victoria regia care of the Manager, Wharf and Warehouse Co., Colombo. Mr. MACMILLAN, in return promises to

send some Palm seeds and will also fill our case with plants for the return journey if we indicate the species wanted.

Senegal ground-nut—Arachis hypogæa.—The President of the Chamber of Agriculture, Pondicherry, kindly sent a small quantity of Senegal ground-nut for trial. Part was distributed to Mr. E. B. Powell, Mr. R. Branson and Mr. W. Keess and the remainder was sown in the gardens.

Flower Calendar.—The following is a list of the plants in flower and fruit in the gardens :—

In Flower—

Allophyllus cobbe
Aglæa odorata
Barringtonia racemosa
Bixa orellana
Cordia tectonæfolia
Clerodendron siphonanthus
Cereus trigonus
Colvillea racemosa
Cassia glauca
„ emarginata
Citharexylum subserratum
Erythroxylon monogynum
Elæodendron glaucum
Hibiscus elatus
Ixora polyantha
Melaleuca leucodendron minor
Myrospermum Pareira
Orchipeda fœtida
Tectona grandis
Terminalia paniculata
Tabernæmontana sp
Zizyphus jujuba

In Green Fruit—

Bauhinia galpini
Canella alba
Cassia fistula
Dalbergia lanceolata
„ sisoo
Duranta Plumeri
Jatropha multifida
Coffea arabica
„ liberica
Kleinhovia hospita
Memecylon edule
Poinciana regia
Sterculia fœtida
„ alata
Strychnos nux-vomica
Vangueria edule
Wrightia tinctoria

With Ripe Fruit—

Ardisia polycephala
Cordia Rothii
Bassia latifolia

Hybrid Coffee.—Read letter from E. B. Powell, sending two Hybrid Coffee plants said to be a cross between Coffee arabica and C. liberica.

Sugar cane seed.—Early this year, enquiries were made as to the possibility of getting fresh varieties of sugar-cane from seed. Replies from the Principal gardens in India were not satisfactory. In many instances the seed had not been observed and in others when trials were made no plants

resulted from the sowings. A request was therefore made to the Botanic Gardens in the Mauritius to assist us in getting sugar cane seed. In reply we have just received a box of dried sugar cane panicles made up in four different lots but without names.

Dr. D. Morris.—Read letter from Mr. D. MORRIS, Assistant Director, Royal Gardens, Kew, dated, 31st August, 1898, informing us that he has been appointed as Commissioner of the Imperial Agricultural Department of the West Indies and says that "I should be very happy to receive any publications such as original papers, bulletins and reports issued by you or the department under your charge, as also seeds of any tropical economic plants distributed by you. It will afford me much pleasure to reciprocate your kindness and to place my services entirely at your disposal in any matters in which you are specially interested in the West Indies."

Improvement of Indian Tobacco.—Read letter from Dr. A. G. BOURNE, Honorary Secretary, dated 7th September, 1898, to Messrs. Spencer and Co., Oakes and Co., McDowell and Co., asking if they can suggest any method on which the Society can encourage the ryot to improve the culture and curing of Tobacco.

Read the following reply from Messrs. Spencer and Co., dated, 26th September, 1898.

"With reference to your letter of the 7th instant, we have the pleasure to inform you that the Superintendent of our Dindigul Factory has reported as follows :—

"The only method of inducing the Ryot to improve the culture and curing of Tobacco, would be to proclaim by beat of tom-tom that the Committee is prepared to offer prizes for the best grown and cured country Tobacco as the Ryot is not aware that there is such a thing as the Annual Show where he could exhibit Tobacco."

Read the reply from Messrs. McDowell and Co., dated 13th September, 1898 :—

"We regret that we cannot make any suggestions with regard to improving Indian Tobacco as long as growing and curing is done by natives."

Read also the following reply from Messrs. Oakes and Co., dated 22nd September, 1898.

"In reply to your favour of the 7th instant, we have referred the matter to the Manager of our Cigar Factory and his opinion is that it is almost impossible to persuade the Ryot to do anything that his forefathers did not do before him. In the first place he cannot be induced to use a proper plough.

We have attempted to get the Ryots to sort their Tobacco into sizes and classes but they consider it better business to fill the heart of each hand with inferior Tobacco with a few good leaves all round. With regard to curing they have their own crude antiquated method and will not change.

The only suggestion we can make is that your Society should secure a plot of suitable land, sow it with a good class of Tobacco seed and cure the leaf according to modern methods. If the result as to the marketable value compares favourably with the Tobacco now obtainable from native Ryots then and there only will there be a prospect of persuading them to adopt improved methods. Argument is of no use, but if tangible profit can be shewn, the growers keen after their interests may alter their present style of culture and curing.

We shall be glad to report on any samples of Tobacco you may be pleased to submit for our inspection.

Resolved that no action can be taken in the matter at present. The Honorary Secretary undertook to consider the feasibility of carrying out Messrs. Oakes and Co's. suggestion.

Committee Member.—Read letter from Mr. Henry C. West, Pantheon Road, Egmore, dated 1st September, 1898, asking the Honorary, Secretary to withdraw his name from the list of the Committee and subscribing members from the 1st instant, as he is leaving India for good.

The Committee desires to place on record its regret at Mr. West's approaching withdrawal from the Society of which he has been a member for nearly 20 years and resolves to elect him an Extraordinary member.

Resolved that Mr. T. Hesketh Biggs, be invited to join the Committee.

Financial Statement for September, and July to September, 1898, read and passed.

Rainfall.—8 inches and 62 cents fell in 15 days as registered by the garden Rain gauge.

R. S. BENSON, *Chairman.*

G. BOURNE, *Honorary Secretary.*

FINANCIAL STATEMENT, JULY TO SEPTEMBER, 1898.

RECEIPTS.	Amount.	Amount.	EXPENSES.	Amount.	Amount.
	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.
Balance with Messrs. Binny & Co., on 30th June, 1898 ...	1,538 6 7		Expenses as per statement annexed	...	2,721 13 2
Do. in hand for transmission on 30th June, 1898 ...	95 8 0		Balance with Messrs. Binny & Co., on 30th September, 1898.	1,727 11 7	
Do. in hand petty cash on 30th June, 1898	64 2 11		Do. in hand for transmission to Binny & Co., on 30th September, 1898	40 6 0	
		1,698 1 6	Do. in hand petty cash on 30th September, 1898	56 11 2	
By sale of seeds during July to September, 1898 ...	561 4 9				1,824 12 9
Do. plants do. ...	313 9 0				
Do. sundries do. ...	398 4 0				
By subscription from Members...	313 0 0				
By interest from January to June, 1898	12 6 8				
By Government monthly grants...	750 0 0				
By Government Extra grant ...	500 0 0				
		2,848 8 5			
Total Rupees...	...	4,546 9 11	Total Rupees...	...	4,546 9 11

Agri-Horticultural Society,
Madras, *3rd October*, 1898.

A. G. BOURNE,
Honorary Secretary.

Particulars of Expenses, July to September, 1898.

	Rs.	A.	P.
Pay of Establishment	1,047	10	4
,, Coolies	161	6	0
Seeds purchased locally	229	14	0
Seeds purchased from Messrs. Sutton and Vilmorin Andrieux & Co.	426	3	8
Plants purchased	21	13	8
Pots, red soil, sand and manure	101	14	0
Repairs to Superintendent's house roof and Potting shed	39	7	0
Garden requisities	29	1	9
Red Hills water supply	210	1	9
Printing and advertising	91	2	0
Books and periodicals	17	12	0
Postage on letters, seeds and Proceedings ...	31	11	0
Rail charge, packing, cart hire, &c.	313	12	0
Total Rupees...	2,721	13	2

Proceedings of the Agri-Horticultural Society of Madras, for October 1898.

Circulated to Members for perusal on 7th November 1898.

The following contributions were made to the Garden Library :—

Indian Forester for September 1898 from Mr. J. S. Gamble, the Editor.

Tropical Agriculturist for October 1898 from Messrs. A. M. & J. Ferguson, Colombo.

Bulletin No. 15 of the U. S. Department of Agriculture, Washington, on Edible and Poisonous Fungi, from the Director of the Department.

Bulletin No. 121 of the University of California on the Conservation of Soil moisture and Economy in the use of irrigating water, from E. W. Hilgard, Esq., the Director of the University.

Proceedings of the Madras Government No. 476, 25th August 1898, on Rubber producing Forests.

The Shamba, a journal of Agriculture for Zanzibar, September 1898, from the Editor.

Plainting Opinion for October 1st, 8th and 15th, from Mr. E. C. Duff, the Editor.

Bulletin of the Botanical Department, Jamaica, for April 1898, from Mr. William Fawcett, the Director of the Department.

Annual note on Crop Experiments in Assam for 1897-98, from the Director, Department of Land Records and Agriculture, Assam.

Queensland Agricultural Journal for September 1898, from Mr. A. J. Boyd, the Editor, Brisbane.

Agricultural Ledgers for 1898.—No. 9, on Egyptian Cotton; No. 10 on Pineapple fibre; and No. 11 on Sale of Raw Silk for the Kashmir Darbar, from Dr. George Watt, the Editor.

Acta Horti Petropolitani No. 14 of 1898 and four other pamphlets from the Director, Imperial Botanic Gardens, St. Petersburgh.

Bulletin van het Koloniaal Museum te Harlem No. 19, Juli 1898.

Kew Bulletin of Miscellaneous Information for October 1898 from the Director, Royal Gardens, Kew.

List of Bombay grasses and their uses by Dr. J. C. Lisboa, 1896.

The following contributions were made to the Gardens :—

A plant of Singapore lily (*Crinum angustum*) and Japanese Ivy from Mr. C. Michie Smith, Nungumbakum.

A packet of seed of Solanum sp. from the Director, Botanic Gardens, British Guiana.

A few bulbs of Freesia refracta from Mr. H. Thorn, Superintendent, Raj Gardens, Durbungah.

Seeds of the undermentioned from Mr. H. F. Macmillan, Curator, Royal Botanic Gardens, Peradeniya, Ceylon.

Acrocomia sclerocarpa	Livistona chinensis
Archontophœnix Alexandreæ	Loxococcus rupicola
Areca concinna	Martinezia caryotæfolia
Bactris minor	Nephrosperma van. Houteana
Chrysolidocarpus lutescens	Oncosperma filamentosa
Cocos sancona	,, fasciculatum
Dypsis madagascariensis	Phœnicophorium sechellarum
Elæis guineensis	Pinanga patula
Euterpe sp.	Ptychosperma Mac Arthurii
Licuala spinosa	Raphia ruffia
Livistona australis	Rhopaloblaste hexandra
,, rotundifolia	Sabal palmetto.

Two packets of seed of Prestœa montana from the Director, Botanic Gardens, Grenada.

Recorded.

Sisal Hemp.—Read Proceedings of the Board of Revenue Land Records and Agriculture No. 5217, Miscellaneous, dated 31st August 1898, asking the Honorary Secretary to distribute the 3,000 Sisal Hemp plants (referred to in the Government Order No. 1804, Miscellaneous, dated 25th April 1898) to the Collectors of Bellary, Anantapur, Cuddapah, North Arcot, Nellore, Salem, Coimbatore, and Madura.

The plants were despatched to the following places with instructions for planting :—

Collector of Bellary		...	50 plants.
Do. Anantapur ...		...	400 ,,
Collector of Cuddapah : —			
Tahsildar of Cuddapah ...	200	500	,,
Do. Jammalmadugu ...	20		
Do. Prodattur ...	150		
Do. Vayalpad ...	100		
Do. Kadiri ...	10		
Do. Pulivendla ...	20		
Collector of North Arcot :—			
Dist. Forest Officer, Vellore ...	200	400	
Superintendent, Central Jail ...	200		
Collector of Nellore		... 300	,,
Do. Salem		... 450	,,
Do. Coimbatore ...		... 400	,,
Collector of Madura :—			
Sub-Collector of Dindigul ...	400	500	,,
Tahsildar of Tirumayilam ...	50		
Dy. Collector, Madura Division...	50		

Flower Calendar.—The following is a list of the trees, &c., in flower and fruit for October 1898.

In Flower—

Terminalia paniculata
Artocarpus incisa
Acacia leucophlæa
Clerodendron nutans
,, calamitosum
Boehmeria nivea
Millingtonia hortensis
Broussonetia papyrifera
Pterospermum Heyneanum
Nyctanthes arbor-tristis
Cananga odorata
Hernandia peltata
Dombeya angulata
Bunchosia glandulosa
Atalantia monophylla
Allophyllus cobbe
Cassia siamea
,, alata
Costus speciosus
Michelia nilgirica

With Green Fruit—

Manihot Glaziovii
Cassia auriculata
Cordia tectonæfolia
Zizyphus jujuba

With Green Fruit—

Achras sapota
Terminalia catappa
Tamarindus indica
Moringa pterygosperma
Acacia auriculiformis
Tectona grandis
Colvillea racemosa
Cæsalpinia coriaria
,, sappan
Dalbergia lanceolaria
,, sissoo
,, spinosa
Berrya ammonilla
Desmodium gyrans
Dillenia indica
Citrus decumana

With Ripe Fruit—

Panicum jumentorum
Feronia elephantum
Canella alba
Erythroxylon coca
Landolphia florida
Casuarina equisitifolia
Kleinhovia hospita
Adenanthera pavonina

Committee Member.—Read letter from Mr. T. Hesketh Biggs, dated Rose Mount, Ootacamund, 7th October 1898, accepting with pleasure the invitation of the Honorary Secretary to join the Committee.

Victoria plants for Peradeniya.—Read the following letter from Mr. H. F. Macmillan, Curator, Royal Botanic Gardens, Peradeniya, dated 3rd instant.

"Very many thanks for the Wardian case of Victoria regia plants which reached us here on the morning of the 1st instant, taking about three days from Madras to Peradeniya. Out of the four plants sent two are alive, which I consider is a pretty good result, considering the perishable nature of the plants especially when out of water. We hope to save these two from the ravages of tortoises and fishes.

Rainfall.—14·04 inches in 11 days.

Financial Statement for October 1898.

Read and passed.

A. G. BOURNE,

Honorary Secretary.

Proceedings of the Agri-Horticultural Society of Madras for November 1898. Meeting held at the Gardens, on Monday the 5th December 1898, at 7-30 a.m.

PRESENT.

C. MICHIE SMITH, ESQ.
E. B. POWELL, ESQ.
HON. MR. J. STURROCK.
T. HESKETH BIGGS, ESQ.
C. SOWDEN, ESQ.
SURGEON-GENL. C. SIBTHORPE.
THE HON. COL. SIR GEORGE MOORE, KT., C.I.E. (*in the Chair*).

Dr. A. G. BOURNE (*Honorary Secretary*).

The following contributions were made to the Garden Library:—

A Manual of Geology of India, part 1, Corundum by T. H. HOLLAND, ESQ., from the Director of the Geological Survey of India.

Kew Bulletin of Miscellaneous Information for October and November 1898, from the Director of the Royal Gardens, Kew.

Journal of the Royal Horticultural Society, Vol. XXII, part 2, from the Secretary of the Society.

Agricultural Ledger for 1898.—No. 12, Daucus carota cultivation as an emergent crop at the time of famine from Dr. GEORGE WATT, the Editor, and also No. 13, Sugar cane disease.

Queensland Agricultural Journal, Vol. III. part 4, from the College of Agriculture, Galton.

Bulletin of the Botanical Department, Jamaica, Vol. V, part 8, from the Director of the Gardens.

Experiment Station Record, Vol. VIII, No. 5; Vol. IX, No. 4; Vol. X, No. 1; from the U. S. Department of Agriculture, Washington.

Bulletin of Miscellaneous Information of the Royal Botanic Gardens, Trinidad, Vol. III, parts 8 and 9, from the Director of the Gardens.

Planting Opinion for October 29th, November 5th, 12th and 19th, from Mr. E. C. DUFF, the Editor.

Note on the outturn of land under the principal crops grown in the Central Provinces by L. S. CAREY, Esq.

Resolution on the management of the District Gardens in the Central Provinces for the year 1897-98 from the Commissioner of Settlements and Agriculture, Central Provinces.

The Shamba Journal of Agriculture for Zanzibar for October 1898.

Report of the Niligiri Agri-Horticultural Society's Show and Proceedings held on the 6th October 1898 from the Secretary of the Society.

Semi-Annual Report of Schimmel & Co., Leipzig and New York, October 1898.

Economic products for the Imperial Institute:—Read letter from Dr. A. G. BOURNE, Honorary Secretary of the Society to the Secretary of the Board of Revenue, Revenue Settlement, Land Records and Agriculture, Madras:—

In reply to paragraph 9 of Board's Proceedings, No. 255, dated 19th July 1898, I have the honour to inform you that we can procure the undermentioned:—

			Rs.	A.	P.
"5 lbs. Alpinia galanga	... root	...	1	0	0
5 ,, ,, nutans...	... root	...	2	8	0
5 ,, Alphæa rosea ...	... seed	...	5	0	0
5 ,, ,, ...	... flower	...	2	8	0
5 ,, ,, ...	... root	...	0	8	0
5 ,, ,, ...	... leaf	...	0	8	0
5 ,, Crotolaria retusa	... fibre	...	5	0	0
5 ,, Croton tiglium...	... oil	...	25	0	0
5 ,, Ceratonia siliqua	... pod	...	2	8	0
5 ,, Maranta arundinacea	... starch	...	2	8	0

and that the cost would be about that mentioned. Seeds of Alpinia galanga, and of A. officinarum are not available here. I have made extensive enquiries and can find no evidence of the existence of Alpinia khulanjan. It is not recognised in Hooker's Flora of British India nor is it mentioned in Dymock's Pharmacographia Indica. The Dictionary of Economic Products simply quotes a description by Dr. MOHIDEEN SHERIFF and our Superintendent Mr. GLEESON who knew Dr. MOHIDEEN SHERIFF well is inclined to think that his plants were starved specimens of Alpinia calcarata, *Roxb.*"

Read also the Resolution of the Board of Revenue, dated 8th November 1898, No. 6516, Miscellaneous.

"The letter read above will be communicated to the Reporter on Economic Products for information in continuation of B. P. $\frac{5332}{5\text{-}9\text{-}98}$ to which no reply has yet been received. His attention will be particularly drawn to para. 2 of Dr. BOURNE's letter.

The Honorary Secretary, Madras Agri-Horticultural Society be requested to be so good as to arrange for the preparation of the specimens procurable of products mentioned in para. 1 of his letter except those of Althæa rosea and Croton tiglium. Regarding the latter the Reporter on Economic Products will be requested to state whether the probable expenditure to be incurred in preparing 5 lb. of the oil thereof should be incurred."

Flower Calendar.—The following is a list of the trees, &c., in flower, and fruit for November 1898:

In Flower—

Phœnix zeylanica
Tythonia diversifolia
Nerium oleander
Hibiscus syriacus
Dombeya angulata
Sauropus Wildenowii
Ravenala madagascariensis
Malpighia glabra
Acacia auriculiformis
Cassia floribunda
Costus speciosus
,, malortianus
Bignonia megapotamica
Læfonsia Vandelliana
Pandanus fascicularis
Hibiscus elatus
Barleria involucrata
Hamelia patens
Roupellia grata
Sanchezia nobilis
Alstonia scholaris
Porana volubilis
Aglaia odorata
Aleurites moluccana

In Flower—

Bauhinia purpurea

With Green Fruit—

Livistona mauritiana
Bauhinia acuminata
,, tomentosa
Colvillea racemosa
Hura crepitans
Cæsalpinia coriaria
Berrya ammonilla
Heriteria littoralis
Stereospermum chelonoides
Tectona grandis
Cocos australis
Cycas circinalis
Elæodendron glaucum
Terminalia arjuna
Wrightia molissima
,, tinctoria

With Ripe Fruit—

Canella alba
Emblica officinalis
Phyllanthus leucopyrus
Poinciana regia

Rainfall.—During the month 18·93 inches of rain fell in 16 days as registered by the garden Rain-guage.

Financial Statement for November 1898.

Read and passed.

Show of Annuals in January.—Read post cards from a very large number of members stating that they did not intend to exhibit in January.

Resolved that as the season is likely to be a late one and that therefore most annuals will still be in flower at the end of February, the proposal to hold a Show in January be abandoned.

G. M. MOORE, *Chairman.*
A. G. BOURNE, *Hon. Secretary.*

Proceedings of the Agri-Horticultural Society of Madras, for December 1898.

Circulated to Members for perusal on 18th January 1899.

The following contributions were made to the Library :—

Kew Bulletin of Miscellaneous Information for November 1898 and Appendix No. 1 of 1899, from the Director of the Royal Gardens, Kew.

Bulletin of the Botanical Department, Jamaica, Vol. V, parts 9 and 10, from the Director of the Gardens.

Queensland Agricultural Journal, Vol. III, part 5, from the College of Agriculture, Galton.

Agricultural Ledger of 1898.—No. 13, Sugar Cane Disease; No. 14, Indian Coal; and No. 15 Rhea or China grass from Dr. G. Watt, the Editor.

Indian Forester for November and December 1898 from the Editor, Mr. J. S. Gamble.

Proceedings and Journal of the Agri-Horticultural Society of India for July—September 1898, from the Secretary of the Society.

A Preliminary study of the Prickly-pears naturalised in the New South Wales by J. H. Maiden, Esq., Government Botanist and Director, Botanic Gardens, Sydney.

Annual Report of the Burdwan Experimental Farm for 1897-98; Shibpur Experimental Farm for 1897-98; Dumraon Experimental Farm for 1897-98, from the Department of Land Records and Agriculture, Bengal.

Contributions to the Flora of Queensland by Mr. F. M. Baily. Extract from the Queensland Agricultural Journal, Vol. III, parts 3, 4 and 5, 1898.

Report on the Arboricultural Operations, N. W. P. and Oudh for the year ending 31st March 1898.

Report on the Cawnpore Experimental Farm for Kharif and Rabi seasons, 1897-98.

Report on the Department of Land Records and Agriculture, Burma, for the year 1897-98.

Report of the Department of Land Records and Agriculture, Bengal, for the year ending 31st March 1898.

Annual Report of the Civil Veterinary Department, Bengal, for the year 1897-98.

Annual Report of the Department of Land Records and Agriculture, Assam, for 1897-98.

Planting Opinion for November 26th, December 3rd, 10th and 17th, from the Editor, Mr. E. C. DUFF.

Catalogue of Messrs. DAMMANN AND Co., Naples, for 1898-99.

Sutton's Amateurs' Guide in Horticulture, for 1899.

Carter's Catalogue of tested seeds for 1898.

The following contributions were made to the Gardens :—

Seed of Hyphæne thebaica from Mr. G. H. KRUMBIEGEL, Superintendent of the State Gardens, Baroda.

Four pound of Phœnix rupicola seeds from the Superintendent, Royal Botanic Gardens, Calcutta.

Rain tree Measure.—Read letter from the Hon'ble Mr. A. T. ARUNDEL, C.I.E., dated 6th December, forwarding the measurement of the two Rain trees (Pithecolobium saman) which he planted in his Gardens, known as Serle's Gardens, Adyar, at the end of 1892.

———	Measured 9th November 1893.	9th December 1894.	28th November 1895.	28th November 1896.	28th November 1897.	6th December 1898.
Westerly tree ...	$6\frac{3}{4}''$	$17''$	$2'—1''$	$2'—9\frac{3}{4}''$	$3'—6\frac{1}{2}''$	$4'$
Easterly tree ...	...	$16''$	$1'—10\frac{1}{2}''$	$2'—5\frac{3}{4}''$	$3'—3''$	$4'$

Plants to Guindy.—The following rare and economic plants were sent to the Gardens, Government House, Guindy :—

Cinnamomum camphora
Myristica moschata
Cola acuminata
Acacia auriculiformis
Elettaria cardamomum
Myrospermum toluiferum
Cedrela toona
Crescentia cujute
Pithecolobium polycephalam
Garcinia cambogia
Mammea americana
Sterculia heterophylla
Triplaris americana
Aristolochia gigas
Telfaria pedata
Canella alba

Exchange.—Mr. G. H. Krumbiegel, Superintendent of the State Gardens, Baroda, paid a visit to the gardens in October last and selected plants from our Nursery as follows, which were despatched to him on the 21st December 1898 :—

Diospyros decandra
,, sapota
Kleinhovia hospita
Acacia auriculiformis
Bignonia megapotamica
Brownea coccinea
Pterocarpus indicus
Limonia spectabilis
Couroupita guineensis
Oreodoxa sp.
Kopsia fruticosa
Acalypha betulina
Pogonia plicata
Dieffenbachia Jenmanii
Peltophorum ferrugineum
Dombeya angulata
? Gustavia sp.
Ceratopteris thalictroides
Ochlandra travancorica
Spathodea crispa

We received from Mr. Krumbiegel, on the 7th January the following plants :—

Ilex paraguayensis
Statice arborea
Æschynanthus lobbianum
Excæcaria reticulata
Musa sp.
Musa grandiflora
Triplaris surenamensis
Rosa sinica
Panicum excurrens
Trema bracteolata
Sterculia lurida
Tecoma diversifolia
Gloriosa virescens
Tricholæna rosea

Camphor plants.—Read letter from Mr. A. R. Winterbotham, Auda Tode Estate, Vayitri, Wynaad.

"I should be much obliged if you could let me have some information as to the best way of getting young Camphor plants. Your Society sent up two small plants in pots about 15 months ago, which we had planted out which are doing remarkably well being about 4 feet high now and very thick and bushy. Were these plants raised from seed or how? I should like if possible to get 50 or 100 good plants and put them out in one of my clearings as I am very much struck with the way the two plants we have already got out have grown. These have never been shaded or watered in any way since they were planted out as I have said before as doing magnificently. The two plants referred to were sent to my father Mr. H. B. Winterbotham."

Mr. Winterbotham is informed that we will try and procure for him 50 or 100 seedlings of Camphor plants as soon as possible. We suggested that he might try propagation by cuttings.

Gardener to Guindy Park.—Read letter from Col. W. R. Browning, Surgeon to his Excellency the Governor, informing us that the gardener in charge of the Guindy Park was absent from duty on account of ill-health and asking if we could send him an intelligent man for a short time.

Ramalingum our seedsman was sent down to take charge of the work for the time being.

Flower Calendar.—The following is a list of trees, &c., in flower and fruit for December 1898:—

In Flower:—

Spathodea campanulata
Roupellia grata
Thunbergia erecta
,, Kirkii
Dracæna circulosa maculata
Barleria involucrata
Garcinia Livingstonei
Sterculia urens
Barleria involucrata
,, cristata alba
Passiflora laurifolia
Cissus discolor
Aphelandra cristata
Isora corylifolia
Orchipeda fœtida
Plumbago rosea
Jatropha panduræfolia
Kopsia fruticosa
Quassia amara
Parkia biglandulosa
,, Roxburghii
Montanoa bipinnatifida
Santalum album
Filicium decipiens
Sterculia alata
Glycosmis sapindioides
Gelonium lanceolatum
Bignonia Chamberlayni
Careya arborea
Walsura piscidia
Gyrocarpus Jacquini
Anona muricata
Pisonia aculeata
Duranta Plumeri
Hemicyclia sepiaria
Thunbergia grandiflora
Artabotrys odoratissimus
Noronhia emarginata
Capparis horrida
Lafœnsia Vandelliana

In Flower:—

Rhus mysorensis
Brownea coccinea
Dædalacanthus nervosus

In Fruit:—

Gmelina arborea
Bauhinia purpurea
Bridelia retusa
Heterophragma adenophylla
Tectona grandis
Strophanthus aurantiacus
Cassia fistula
Pereskia bleo
Tamarindus indica
Albizzia amara
Duranta Plumeri
Acacia sundra
Spathodea crispa
Terminalia arjuna
Stereospermum chelonoides
Pongamia glabra
Coffea liberica
,, arabica
Cordia tectonæfolia
Diospyros decandra

In Ripe Fruit:—

Achras sapota
Zizyphus jujuba
Feronia elephantum
Adenanthera pavonina
Cæsalpinia coriaria
Sterculia fœtida
,, alata
Blighia sapida
Desmodium gangeticum
Derris scandens
Dalbergia spinosa
Cycas circinalis
Ardisia polycephala
Terminalia catappa

Rainfall.—During the month 11·18 inches of rain fell in 6 days as registered by the garden Rain-gauge.

Financial Statement for December 1898 and October to December 1898.

Read and passed.

A. G. BOURNE,
Honorary Secretary.

Financial Statement for October to December 1898.

RECEIPTS.	RS.	A.	P.	RS.	A.	P.
Balance with Messrs. Binny & Co. on 30th September 1898 ..	1,727	11	7			
,, in hand for transmission to Binny & Co. do. ..	40	6	0			
,, in hand, petty cash do. ..	56	11	2			
				1,824	12	9
By sale of seeds during Oct. to Dec. 1898.	483	14	9			
Do. plants do. ..	377	9	0			
Do. sundries do. ..	185	12	0			
By subscription from members do. ..	392	12	0			
,, Government monthly grant do. ..	750	0	0			
,, Interest from July to Dec. 1898 ..	15	7	3			
				2,205	7	0
Total Rs...				4,030	3	9

EXPENSES.	RS.	A.	P.	RS.	A.	P.
As per statement annexed ..				2,383	6	7
Balance with Messrs. Binny & Co. on 31st December 1898 ..	1,464	10	7			
,, in hand for transmission to Binny & Co. on do. ..	176	2	0			
,, in hand, petty cash do. ..	6	0	7			
				1,646	13	2
Total Rs ..				4,030	3	9

AGRI-HORTICULTURAL SOCIETY,
MADRAS,
18*th January* 1899.

A. G. BOURNE,
Honorary Secretary.

PARTICULARS OF EXPENSES.

	Rs.	A.	P.
Pay of Establishment	1,044	1	5
,, Coolies	193	10	7
Seeds purchased	339	6	0
Plants purchased	59	8	0
House, water and light tax	22	14	0
Red-Hills water supply—July to September 1898 ...	108	0	0
Pots purchased	93	11	6
Quit-rent for Cocoanut tope	4	10	6
Building wall in the fern house and whitewashing Superintendent's house	32	6	6
Punch for small labels...	12	0	0
Garden requisites	22	4	9
Printing and Advertising	27	8	0
Books and periodicals...	25	6	0
Postage on letters, seeds, &c.	23	0	3
Rail charges, packing and cooly hires	374	15	1
Total Rs....	2,383	6	7